

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 19, 2005, 06:25:30 ; Search time 28 Seconds
(without alignments)
751.823 Million cell updates/sec

Title: US-10-773-715-6

Perfect score: 1431

Sequence: 1 MASLGQILFWSIISIIIIILA.....SSFFAISWALLPLSPYLMK 282

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*

- 1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*
- 2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
- 3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
- 4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
- 5: /cgn2_6/ptodata/1/iaa/PTCUS_COMB.pep.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1431	100.0	282	4	US-09-404-879A-393
2	1431	100.0	282	4	US-09-667-857-393
3	1431	100.0	309	4	US-09-404-879A-392
4	1431	100.0	309	4	US-09-667-857-392
5	348	24.3	65	4	US-09-667-857-415
6	246.5	17.2	316	4	US-09-910-174B-24
7	246.5	17.2	316	4	US-09-620-461-24
8	245	17.1	340	4	US-09-651-200-2
9	245	17.1	441	4	US-09-651-200-4
10	245	17.1	534	4	US-09-651-200-6
11	245	17.1	534	4	US-09-651-200-24
12	238.5	16.7	315	4	US-09-910-174B-28
13	238.5	16.7	315	4	US-09-620-461-28
14	223	15.6	513	4	US-09-910-174B-18
15	223	15.6	513	4	US-09-620-461-18
16	217.5	15.2	540	2	US-08-724-394A-4
17	215.5	15.1	731	4	US-09-910-174B-15
18	215.5	15.1	731	4	US-09-620-461-15
19	213.5	14.9	584	4	US-09-910-174B-16
20	213.5	14.9	584	4	US-09-620-461-16
21	212.5	14.8	610	2	US-08-724-394A-5
22	211.5	14.8	526	4	US-09-910-174B-9
23	211.5	14.8	526	4	US-09-620-461-9
24	211.5	14.8	526	4	US-09-949-016-6122
25	211.5	14.8	540	4	US-09-949-016-11644
26	211.5	14.8	589	2	US-08-724-394A-1
27	207.5	14.5	319	4	US-09-910-174B-12

28	207.5	14.5	319	4	US-09-620-461-12	Sequence 12, Appl
29	207.5	14.5	342	2	US-08-724-394A-6	Sequence 6, Appl
30	207.5	14.5	357	4	US-09-910-174B-14	Sequence 14, Appl
31	207.5	14.5	357	4	US-09-620-461-14	Sequence 14, Appl
32	204	14.3	290	4	US-09-910-174B-19	Sequence 19, Appl
33	204	14.3	290	4	US-09-620-461-19	Sequence 19, Appl
34	204	14.3	350	4	US-09-651-200-25	Sequence 25, Appl
35	204	14.3	350	4	US-09-910-174B-17	Sequence 17, Appl
36	204	14.3	350	4	US-09-620-461-17	Sequence 17, Appl
37	199.5	13.9	290	4	US-09-910-174B-32	Sequence 32, Appl
38	199.5	13.9	290	4	US-09-451-291-3	Sequence 3, Appl
39	199.5	13.9	290	4	US-09-645-069-23	Sequence 23, Appl
40	196	13.7	296	4	US-09-667-135-36	Sequence 36, Appl
41	193	13.5	527	4	US-09-910-174B-10	Sequence 10, Appl
42	193	13.5	527	4	US-09-620-461-10	Sequence 10, Appl
43	192	13.4	329	4	US-09-651-200-18	Sequence 18, Appl
44	192	13.4	329	4	US-09-303-040-6	Sequence 6, Appl
45	188.5	13.2	290	4	US-09-910-174B-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1

US-09-404-879A-393
; Sequence 393, Application US/09404879A

; Patent No. 6468546

; GENERAL INFORMATION:

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: King, Gordon E.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER

; FILE REFERENCE: 210121.462C2

; CURRENT APPLICATION NUMBER: US/09/404,879A

; CURRENT FILING DATE: 1999-09-24

; NUMBER OF SEQ ID NOS: 393

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 393

; LENGTH: 282

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-404-879A-393

Query Match	100.0%;	Score 1431;	DB 4;	Length 282;
Best Local Similarity	100.0%;	Pred. No. 2.5e-138;		
Matches 282;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MASLGQILFWSIISIIIIILAGATAIIIGFISGRHSITVTTVASAGNIGEDGILSCTPEP	60	
Db	1	MASLGQILFWSIISIIIIILAGATAIIIGFISGRHSITVTTVASAGNIGEDGILSCTPEP	60	
Qy	61	DIKLSDIVIOWLKEGVLGVHEFKEGKDELSEODEMERGRTAVFADQVIVGNASIRLKNV	120	
Db	61	DIKLSDIVIOWLKEGVLGVHEFKEGKDELSEODEMERGRTAVFADQVIVGNASIRLKNV	120	
Qy	121	QLTDAGYTKYCIITSKGNANLEYKTKGAFSPMPVNVYDYNASSETLRCEAPRFPQPTVW	180	
Db	121	QLTDAGYTKYCIITSKGNANLEYKTKGAFSPMPVNVYDYNASSETLRCEAPRFPQPTVW	180	
Qy	181	WASQVDQGANFSEVSNSTSPFNSENVTMKVSVLYNYVNTYSCMIENDIAKATGDIKV	240	
Db	181	WASQVDQGANFSEVSNSTSPFNSENVTMKVSVLYNYVNTYSCMIENDIAKATGDIKV	240	
Qy	241	TESBIKRSRSHQLLNKASLCVSSFFAISWALLPLSPYLMK	282	
Db	241	TESBIKRSRSHQLLNKASLCVSSFFAISWALLPLSPYLMK	282	

RESULT 2

US-09-667-857-393

; Sequence 393, Application US/09667857

; Patent No. 6699564

; GENERAL INFORMATION:
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: King, Gordon E.
 ; APPLICANT: Algate, Paul A.
 ; APPLICANT: Fling, Steven P.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Panger, Gary Richard
 ; APPLICANT: Reed, Steven G.
 ; APPLICANT: Vedvick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE REFERENCE: 210121.462C5
 ; CURRENT APPLICATION NUMBER: US/09/667,857
 ; CURRENT FILING DATE: 2000-09-20
 ; NUMBER OF SEQ ID NOS: 455
 ; SOFTWARE: Fast-SEQ for Windows Version 3.0
 ; SEQ ID NO 393
 ; LENGTH: 282
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-667-857-393
 Query Match 100.0%; Score 1431; DB 4; Length 282;
 Best Local Similarity 100.0%; Pred. No. 2.5e-138; Indels 0; Gaps 0;
 Matches 282; Conservative 0; Mismatches 0;

Qy 1 MASIGQLFWSIIIIIIILAGAIALLIIFGSGRHSITVTTVASAGNIGDGLSCTFEP 60
 Db 1 MASIGQLFWSIIIIIIILAGAIALLIIFGSGRHSITVTTVASAGNIGDGLSCTFEP 60
 Qy 61 DIKLSDIVIOWLKEGVLGVHPEKGDSEQDEMFRGTAVFADQVIVGNASRLKNV 120
 Db 61 DIKLSDIVIOWLKEGVLGVHPEKGDSEQDEMFRGTAVFADQVIVGNASRLKNV 120
 Qy 121 QLTDAGYKCYIITSKKGANLEYKTGAFSPMEPVNDYNASSETLRCEAPRFPQPTVV 180
 Db 121 QLTDAGYKCYIITSKKGANLEYKTGAFSPMEPVNDYNASSETLRCEAPRFPQPTVV 180
 Qy 181 WASQVDOGANFSEVSNSTFELNSENVTKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
 Db 181 WASQVDOGANFSEVSNSTFELNSENVTKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
 Qy 241 TESIKRSHQLLNSKASLCVSSFFAISWALLPLSPYMLK 282
 Db 241 TESIKRSHQLLNSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 3
 US-09-404-879A-392
 ; Sequence 392, Application US/09404879A
 ; Patent No. 6468546
 ; GENERAL INFORMATION:
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: King, Gordon E.
 ; APPLICANT: Algate, Paul A.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE REFERENCE: 210121.462C2
 ; CURRENT APPLICATION NUMBER: US/09/404,879A
 ; CURRENT FILING DATE: 1999-09-24
 ; NUMBER OF SEQ ID NOS: 393
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO 392
 ; LENGTH: 309
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-404-879A-392
 Query Match 100.0%; Score 1431; DB 4; Length 309;
 Best Local Similarity 100.0%; Pred. No. 2.8e-138; Indels 0; Gaps 0;
 Matches 282; Conservative 0; Mismatches 0;

Qy 1 MASIGQLFWSIIIIIIILAGAIALLIIFGSGRHSITVTTVASAGNIGDGLSCTFEP 60
 Db 28 MASIGQLFWSIIIIIIILAGAIALLIIFGSGRHSITVTTVASAGNIGDGLSCTFEP 87
 Qy 61 DIKLSDIVIOWLKEGVLGVHPEKGDSEQDEMFRGTAVFADQVIVGNASRLKNV 120
 Db 88 DIKLSDIVIOWLKEGVLGVHPEKGDSEQDEMFRGTAVFADQVIVGNASRLKNV 147
 Qy 121 QLTDAGYKCYIITSKKGANLEYKTGAFSPMEPVNDYNASSETLRCEAPRFPQPTVV 180
 Db 148 QLTDAGYKCYIITSKKGANLEYKTGAFSPMEPVNDYNASSETLRCEAPRFPQPTVV 207
 Qy 181 WASQVDOGANFSEVSNSTFELNSENVTKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
 Db 208 WASQVDOGANFSEVSNSTFELNSENVTKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 267
 Qy 241 TESIKRSHQLLNSKASLCVSSFFAISWALLPLSPYMLK 282
 Db 268 TESIKRSHQLLNSKASLCVSSFFAISWALLPLSPYMLK 309

RESULT 4
 US-09-667-857-392
 ; Sequence 392, Application US/09667857
 ; Patent No. 6699664
 ; GENERAL INFORMATION:
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: King, Gordon E.
 ; APPLICANT: Algate, Paul A.
 ; APPLICANT: Fling, Steven P.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Panger, Gary Richard
 ; APPLICANT: Reed, Steven G.
 ; APPLICANT: Vedvick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE REFERENCE: 210121.462C5
 ; CURRENT APPLICATION NUMBER: US/09/667,857
 ; CURRENT FILING DATE: 2000-09-20
 ; NUMBER OF SEQ ID NOS: 455
 ; SOFTWARE: Fast-SEQ for Windows Version 3.0
 ; SEQ ID NO 392
 ; LENGTH: 309
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-667-857-392
 Query Match 100.0%; Score 1431; DB 4; Length 309;
 Best Local Similarity 100.0%; Pred. No. 2.8e-138; Indels 0; Gaps 0;
 Matches 282; Conservative 0; Mismatches 0;

Qy 1 MASIGQLFWSIIIIIIILAGAIALLIIFGSGRHSITVTTVASAGNIGDGLSCTFEP 60
 Db 28 MASIGQLFWSIIIIIIILAGAIALLIIFGSGRHSITVTTVASAGNIGDGLSCTFEP 87
 Qy 61 DIKLSDIVIOWLKEGVLGVHPEKGDSEQDEMFRGTAVFADQVIVGNASRLKNV 120
 Db 88 DIKLSDIVIOWLKEGVLGVHPEKGDSEQDEMFRGTAVFADQVIVGNASRLKNV 147
 Qy 121 QLTDAGYKCYIITSKKGANLEYKTGAFSPMEPVNDYNASSETLRCEAPRFPQPTVV 180
 Db 148 QLTDAGYKCYIITSKKGANLEYKTGAFSPMEPVNDYNASSETLRCEAPRFPQPTVV 207
 Qy 181 WASQVDOGANFSEVSNSTFELNSENVTKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
 Db 208 WASQVDOGANFSEVSNSTFELNSENVTKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 267
 Qy 241 TESIKRSHQLLNSKASLCVSSFFAISWALLPLSPYMLK 282
 Db 268 TESIKRSHQLLNSKASLCVSSFFAISWALLPLSPYMLK 309

```
RESULT 5
US-09-667-857-415
; Sequence 415, Application US/09667857
; Patent No. 6699664
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; APPLICANT: Fling, Steven P.
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary Richard
; APPLICANT: Reed, Steven G.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Barrick
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C5
; CURRENT APPLICATION NUMBER: US/09/667.857
; CURRENT FILING DATE: 2000-09-20
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 415
; LENGTH: 65
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-667-857-415

Query Match      24.3%; Score 348; DB 4; Length 65;
Best Local Similarity 100.0%; Pred. No. 2.9e-28;
Matches 65; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 136 KGKGNANLEYKTGAFSPMPVNDYNASSETLRCEAPRFPQPTVVWASQVDQGANFSEVS 195
Db 1 KGKGNANLEYKTGAFSPMPVNDYNASSETLRCEAPRFPQPTVVWASQVDQGANFSEVS 60

Qy 196 NTSPE 200
Db 61 NTSPE 65

RESULT 6
US-09-910-174B-24
; Sequence 24, Application US/09910174B
; Patent No. 6630575
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
; TITLE OF INVENTION: Family and Uses Thereof
; FILE REFERENCE: 35800/236924
; CURRENT APPLICATION NUMBER: US/09/910.174B
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; PRIOR FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-910-174B-24

Query Match      17.2%; Score 246.5; DB 4; Length 316;
Best Local Similarity 30.2%; Pred. No. 9e-17;
Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;

Qy 21 GATALIIGFISGRHSITVTTVASAGNIGEDGILSCTF--EPDIKLSDIVIQWLKEGVLG 78
Db 15 GAALGALWFLCTGALVQVPDPVVALVGTDTATCCSFSPGFSLAQLNLIMQLTDTKQ 74

Qy 79 LVHEFKEGKDELSQDEMFRGRTAVFADQVTVGNASRLKNVQLTDAQTKYCYIITSKGK 138
Db 75 LVHSFAEGQD----QGSAYANRRTALFPDLLAQGNASRLQVRVADEGSFTCF--VSIHDF 129

Qy 139 GNANLEYKTGA-FSPMPVNDYN-----ASSETLRCEAPRFPQPTVVWASQVDQGANFS 192
Db 130 GSAAVSLOVAAPYKPSMTLEPNKDLRPGDVTITCSSYRGYPAEVFW--QDGGVPLT 187

Qy 193 EVSNTSPELSENVTMKVSVLYNVT-INNTYSCHIENDIAK--ATGDIKVT 241
Db 188 GNVTTT-QMANEQGLFDVHSLRVVLGANGTYSCLVRNPVLQDAHGSGVTIT 238

RESULT 7
US-09-620-461-24
; Sequence 24, Application US/09620461
; Patent No. 6635750
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7
; TITLE OF INVENTION: Family and Uses Thereof
; FILE REFERENCE: 5800-149
; CURRENT APPLICATION NUMBER: US/09/620.461
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-620-461-24

Query Match      17.2%; Score 246.5; DB 4; Length 316;
Best Local Similarity 30.2%; Pred. No. 9e-17;
Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;

Qy 21 GATALIIGFISGRHSITVTTVASAGNIGEDGILSCTF--EPDIKLSDIVIQWLKEGVLG 78
Db 15 GAALGALWFLCTGALVQVPDPVVALVGTDTATCCSFSPGFSLAQLNLIMQLTDTKQ 74

Qy 79 LVHEFKEGKDELSQDEMFRGRTAVFADQVTVGNASRLKNVQLTDAQTKYCYIITSKGK 138
Db 75 LVHSFAEGQD----QGSAYANRRTALFPDLLAQGNASRLQVRVADEGSFTCF--VSIHDF 129

Qy 139 GNANLEYKTGA-FSPMPVNDYN-----ASSETLRCEAPRFPQPTVVWASQVDQGANFS 192
Db 130 GSAAVSLOVAAPYKPSMTLEPNKDLRPGDVTITCSSYRGYPAEVFW--QDGGVPLT 187

Qy 193 EVSNTSPELSENVTMKVSVLYNVT-INNTYSCHIENDIAK--ATGDIKVT 241
Db 188 GNVTTT-QMANEQGLFDVHSLRVVLGANGTYSCLVRNPVLQDAHGSGVTIT 238

RESULT 8
US-09-651-200-2
; Sequence 2, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651.200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent in Ver. 2.0
```

166 LRCEAPRWFPQPTVVMASQVDQGANFSEVSNTPFELNSNTVMKVSVLYNVT-INNTYS 224
; SEQ ID NO 2
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-2

Query Match 17.1%; Score 245; DB 4; Length 340;
Best Local Similarity 27.8%; Pred. No. 1.4e-16;
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;

Qy 11 SIISIIILAGALIIIGFI---SGRHSITVTTVAS-----AGNIGEDGI 53
Db 12 SILRVVLGANGTYSCLVRNPVLQDDAHSSVTIIPQSPFGAVEQVPEPVALVGTDTAT 71
Qy 54 LSCTF--EPDIKLSDIVIOMLKEGVGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
Db 72 LHCFSFEPGFSITQLNLIWQLTDTKQLVHSFTGGRD---QGSAYANRTALFPDILLAOG 127
Qy 112 NASLRKNVOLTADGTYKCVIITSKGNANLEYKTGA-FSMPEVNVVDYN-----ASSET 165
Db 128 NASLRQVRVADEGSFTCF-VSIRDFGSAVSLQVAAPYKPSMTLEPNKDLRPGDTVT 186
Qy 166 LRCEAPRWFPQPTVVMASQVDQGANFSEVSNTPFELNSNTVMKVSVLYNVT-INNTYS 224
Db 187 ITCSYRGYPEAEVFW--QDQGVPLTGNVTIS-QMANEQGLFDVHSLRVVLGANGTYS 243
Qy 225 CMIENDIAK--ATGDIKVT 241
Db 244 CLVRNPVLQDDAHGVSVTIT 262

RESULT 9
US-09-651-200-4
; Sequence 4, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-4

Query Match 17.1%; Score 245; DB 4; Length 441;
Best Local Similarity 27.8%; Pred. No. 2.2e-16;
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;

Qy 11 SIISIIILAGALIIIGFI---SGRHSITVTTVAS-----AGNIGEDGI 53
Db 113 SILRVVLGANGTYSCLVRNPVLQDDAHSSVTIIPQSPFGAVEQVPEPVALVGTDTAT 172
Qy 54 LSCTF--EPDIKLSDIVIOMLKEGVGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
Db 173 LHCFSFEPGFSITQLNLIWQLTDTKQLVHSFTGGRD---QGSAYANRTALFPDILLAOG 228
Qy 112 NASLRKNVOLTADGTYKCVIITSKGNANLEYKTGA-FSMPEVNVVDYN-----ASSET 165
Db 229 NASLRQVRVADEGSFTCF-VSIRDFGSAVSLQVAAPYKPSMTLEPNKDLRPGDTVT 287

166 LRCEAPRWFPQPTVVMASQVDQGANFSEVSNTPFELNSNTVMKVSVLYNVT-INNTYS 224
288 ITCSYRGYPEAEVFW--QDQGVPLTGNVTIS-QMANEQGLFDVHSLRVVLGANGTYS 344
225 CMIENDIAK--ATGDIKVT 241
345 CLVRNPVLQDDAHGVSVTIT 363

RESULT 10
US-09-651-200-6
; Sequence 6, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-6

Query Match 17.1%; Score 245; DB 4; Length 534;
Best Local Similarity 27.8%; Pred. No. 2.9e-16;
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;

Qy 11 SIISIIILAGALIIIGFI---SGRHSITVTTVAS-----AGNIGEDGI 53
Db 206 SILRVVLGANGTYSCLVRNPVLQDDAHSSVTIIPQSPFGAVEQVPEPVALVGTDTAT 265
Qy 54 LSCTF--EPDIKLSDIVIOMLKEGVGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
Db 266 LRCFSFEPGFSITQLNLIWQLTDTKQLVHSFTGGRD---QGSAYANRTALFPDILLAOG 321
Qy 112 NASLRKNVOLTADGTYKCVIITSKGNANLEYKTGA-FSMPEVNVVDYN-----ASSET 165
Db 322 NASLRQVRVADEGSFTCF-VSIRDFGSAVSLQVAAPYKPSMTLEPNKDLRPGDTVT 380
Qy 166 LRCEAPRWFPQPTVVMASQVDQGANFSEVSNTPFELNSNTVMKVSVLYNVT-INNTYS 224
Db 381 ITCSYRGYPEAEVFW--QDQGVPLTGNVTIS-QMANEQGLFDVHSLRVVLGANGTYS 437
Qy 225 CMIENDIAK--ATGDIKVT 241
Db 438 CLVRNPVLQDDAHGVSVTIT 456

RESULT 11
US-09-651-200-24
; Sequence 24, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383

166 LRCEAPRWFPQPTVVMASQVDQGANFSEVSNTPFELNSNTVMKVSVLYNVT-INNTYS 224
; SEQ ID NO 2
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-2

Query Match 17.1%; Score 245; DB 4; Length 340;
Best Local Similarity 27.8%; Pred. No. 1.4e-16;
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;

Qy 11 SIISIIILAGALIIIGFI---SGRHSITVTTVAS-----AGNIGEDGI 53
Db 12 SILRVVLGANGTYSCLVRNPVLQDDAHSSVTIIPQSPFGAVEQVPEPVALVGTDTAT 71
Qy 54 LSCTF--EPDIKLSDIVIOMLKEGVGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
Db 72 LHCFSFEPGFSITQLNLIWQLTDTKQLVHSFTGGRD---QGSAYANRTALFPDILLAOG 127
Qy 112 NASLRKNVOLTADGTYKCVIITSKGNANLEYKTGA-FSMPEVNVVDYN-----ASSET 165
Db 128 NASLRQVRVADEGSFTCF-VSIRDFGSAVSLQVAAPYKPSMTLEPNKDLRPGDTVT 186
Qy 166 LRCEAPRWFPQPTVVMASQVDQGANFSEVSNTPFELNSNTVMKVSVLYNVT-INNTYS 224
Db 187 ITCSYRGYPEAEVFW--QDQGVPLTGNVTIS-QMANEQGLFDVHSLRVVLGANGTYS 243
Qy 225 CMIENDIAK--ATGDIKVT 241
Db 244 CLVRNPVLQDDAHGVSVTIT 262

RESULT 9
US-09-651-200-4
; Sequence 4, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-4

Query Match 17.1%; Score 245; DB 4; Length 441;
Best Local Similarity 27.8%; Pred. No. 2.2e-16;
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;

Qy 11 SIISIIILAGALIIIGFI---SGRHSITVTTVAS-----AGNIGEDGI 53
Db 113 SILRVVLGANGTYSCLVRNPVLQDDAHSSVTIIPQSPFGAVEQVPEPVALVGTDTAT 172
Qy 54 LSCTF--EPDIKLSDIVIOMLKEGVGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
Db 173 LHCFSFEPGFSITQLNLIWQLTDTKQLVHSFTGGRD---QGSAYANRTALFPDILLAOG 228
Qy 112 NASLRKNVOLTADGTYKCVIITSKGNANLEYKTGA-FSMPEVNVVDYN-----ASSET 165
Db 229 NASLRQVRVADEGSFTCF-VSIRDFGSAVSLQVAAPYKPSMTLEPNKDLRPGDTVT 287

166 LRCEAPRWFPQPTVVMASQVDQGANFSEVSNTPFELNSNTVMKVSVLYNVT-INNTYS 224
288 ITCSYRGYPEAEVFW--QDQGVPLTGNVTIS-QMANEQGLFDVHSLRVVLGANGTYS 344
225 CMIENDIAK--ATGDIKVT 241
345 CLVRNPVLQDDAHGVSVTIT 363

RESULT 10
US-09-651-200-6
; Sequence 6, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-6

Query Match 17.1%; Score 245; DB 4; Length 534;
Best Local Similarity 27.8%; Pred. No. 2.9e-16;
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;

Qy 11 SIISIIILAGALIIIGFI---SGRHSITVTTVAS-----AGNIGEDGI 53
Db 206 SILRVVLGANGTYSCLVRNPVLQDDAHSSVTIIPQSPFGAVEQVPEPVALVGTDTAT 265
Qy 54 LSCTF--EPDIKLSDIVIOMLKEGVGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
Db 266 LRCFSFEPGFSITQLNLIWQLTDTKQLVHSFTGGRD---QGSAYANRTALFPDILLAOG 321
Qy 112 NASLRKNVOLTADGTYKCVIITSKGNANLEYKTGA-FSMPEVNVVDYN-----ASSET 165
Db 322 NASLRQVRVADEGSFTCF-VSIRDFGSAVSLQVAAPYKPSMTLEPNKDLRPGDTVT 380
Qy 166 LRCEAPRWFPQPTVVMASQVDQGANFSEVSNTPFELNSNTVMKVSVLYNVT-INNTYS 224
Db 381 ITCSYRGYPEAEVFW--QDQGVPLTGNVTIS-QMANEQGLFDVHSLRVVLGANGTYS 437
Qy 225 CMIENDIAK--ATGDIKVT 241
Db 438 CLVRNPVLQDDAHGVSVTIT 456

RESULT 11
US-09-651-200-24
; Sequence 24, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383


```

; CURRENT APPLICATION NUMBER: US/09/910,174B
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; PRIOR FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 513
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-910-174B-18

Query Match      15.6%; Score 223; DB 4; Length 513;
Best Local Similarity 26.4%; Pred. No. 5e-14;
Matches 69; Conservative 44; Mismatches 108; Indels 40; Gaps 10;

Qy 35 HSIITVTVASAGNI---GEGILSCTFEPDIKLSDIVIOWLKEGVLGVHFEKKGDEL 90
Db 27 HSAQFSVLGSPGPIIAMVGEDADLPCHLFPMTSAETMELKWSVSSLRQVNVVYADGKEVE 86
Qy 91 SEQDEMFRGRTAVFADQVIVGNASRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAF 150
Db 87 DRQSAFYRGRTSILRDGITAGKALRIHNVTASDSKYLQYFQDGFYKALVELKVAAL 146
Qy 151 SMPENVVD---YNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVNTSFELNSENVT 207
Db 147 G-SDLHVDVKYKGGIHLRCSTGWPQPOIQWSN--NKGEN---IPTVEAPVVADGVG 200
Qy 208 MKVY--SVLYNVTTINNTYSCMIENDIAKATGDIKVTSEIKRRSHLQLLNSKASLCVSS- 264
Db 201 LYAFAASVIMRGSGEGVSCTI-----RSSLLGLEKTASIASIADP 240
Qy 265 FF--AISW--ALLPLSPYLM 281
Db 241 FFRSAQRWIAALARTLPVLL 261

RESULT 15
US-09-620-461-18
; Sequence 18, Application US/09620461
; Patent No. 6635750
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7
; FILE REFERENCE: 5800-149
; CURRENT APPLICATION NUMBER: US/09/620,461
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 18
; LENGTH: 513
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-620-461-18

Query Match      15.6%; Score 223; DB 4; Length 513;
Best Local Similarity 26.4%; Pred. No. 5e-14;
Matches 69; Conservative 44; Mismatches 108; Indels 40; Gaps 10;

Qy 35 HSIITVTVASAGNI---GEGILSCTFEPDIKLSDIVIOWLKEGVLGVHFEKKGDEL 90
Db 27 HSAQFSVLGSPGPIIAMVGEDADLPCHLFPMTSAETMELKWSVSSLRQVNVVYADGKEVE 86
Qy 91 SEQDEMFRGRTAVFADQVIVGNASRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAF 150
Db 87 DRQSAFYRGRTSILRDGITAGKALRIHNVTASDSKYLQYFQDGFYKALVELKVAAL 146
Qy 151 SMPENVVD---YNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVNTSFELNSENVT 207
Db 147 G-SDLHVDVKYKGGIHLRCSTGWPQPOIQWSN--NKGEN---IPTVEAPVVADGVG 200
```

```

Qy 208 MKVY--SVLYNVTTINNTYSCMIENDIAKATGDIKVTSEIKRRSHLQLLNSKASLCVSS- 264
Db 201 LYAFAASVIMRGSGEGVSCTI-----RSSLLGLEKTASIASIADP 240
Qy 265 FF--AISW--ALLPLSPYLM 281
Db 241 FFRSAQRWIAALARTLPVLL 261

Search completed: April 19, 2005, 07:17:34
Job time : 30 secs
```

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 19, 2005, 04:13:09 ; Search time 85 Seconds
(without alignments)
1698.898 Million cell updates/sec

Title: US-10-773-715-6

Perfect score: 1431

Sequence: 1 MASLGQLFWSIIIIIIIIA.....SSPFAISWALLPLSPVIMLK 282

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1612378 seqs, 512079187 residues

Total number of hits satisfying chosen parameters: 1612378

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

UniProt_03.*

1: uniprot_sprot.*

2: uniprot_trembl.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1431	100.0	282	2 Q7Z7D3	Q7Z7D3 homo sapien
2	1425	99.6	282	2 Q9H6B2	Q9H6B2 homo sapien
3	1261.5	88.2	283	2 Q7TPH5	Q7TPH5 mus musculus
4	1257.5	87.9	283	2 Q7TSP5	Q7TSP5 mus musculus
5	1253.5	87.6	283	2 Q8K091	Q8K091 mus musculus
6	958	66.9	187	2 Q6P097	Q6P097 homo sapien
7	512	35.8	285	2 Q7ZY30	Q7ZY30 xenopus lae
8	493.5	34.5	276	2 Q640S5	Q640S5 xenopus tro
9	448	31.3	275	2 Q8AVV1	Q8AVV1 xenopus lae
10	276	19.3	465	2 Q640J0	Q640J0 xenopus lae
11	255.5	17.9	305	2 Q6DJ75	Q6DJ75 xenopus tro
12	246.5	17.2	316	2 Q9BXR1	Q9BXR1 homo sapien
13	245	17.1	388	2 Q8NC34	Q8NC34 homo sapien
14	245	17.1	493	2 Q6PSY4	Q6PSY4 homo sapien
15	245	17.1	533	2 Q8NCB6	Q8NCB6 homo sapien
16	245	17.1	534	2 Q8NB18	Q8NB18 homo sapien
17	240.5	16.8	316	2 Q6UX12	Q6UX12 homo sapien
18	235	16.4	316	2 Q8VE38	Q8VE38 mus musculus
19	232	16.2	316	2 Q7TPB4	Q7TPB4 rattus norv
20	225.5	15.8	466	2 Q6UXE8	Q6UXE8 homo sapien
21	225	15.7	220	2 Q9NM06	Q9NM06 homo sapien
22	225	15.7	414	2 Q9UM44	Q9UM44 homo sapien
23	223	15.6	495	2 Q9HCY1	Q9HCY1 homo sapien
24	223	15.6	513	2 Q00481	Q00481 homo sapien
25	222.5	15.5	347	2 Q9H730	Q9H730 homo sapien
26	222.5	15.5	500	2 Q6UX41	Q6UX41 homo sapien
27	219.5	15.3	286	2 Q46535	Q46535 bos taurus
28	217	15.2	280	2 Q73716	Q73716 grus americ
29	215.5	15.1	304	2 Q9BE26	Q9BE26 macaca fasc
30	215.5	15.1	526	1 BUTY BOVIN	P18892 bos taurus
31	215.5	15.1	731	2 P78409	P78409 homo sapien

32	213.5	14.9	584	2	O00478	O00478 homo sapien
33	211.5	14.8	526	1	BUTY HUMAN	Q13410 homo sapien
34	209.5	14.6	526	2	Q9H458	Q9H458 homo sapien
35	208.5	14.6	334	2	Q9NR44	Q9NR44 homo sapien
36	207.5	14.5	319	2	O00477	O00477 homo sapien
37	207.5	14.5	332	2	Q9BU81	Q9BU81 homo sapien
38	207.5	14.5	334	2	Q76FA0	Q76FA0 homo sapien
39	207.5	14.5	357	2	O15338	O15338 homo sapien
40	207.5	14.5	359	2	P78410	P78410 homo sapien
41	204	14.3	350	2	Q99420	Q99420 homo sapien
42	199.5	13.9	290	2	Q9EP73	Q9EP73 mus musculus
43	196.5	13.7	492	2	Q8C0U8	Q8C0U8 mus musculus
44	196	13.7	296	2	O42404	O42404 gallus gall
45	195.5	13.7	275	2	Q9JK39	Q9JK39 mus musculus

ALIGNMENTS

RESULT 1

Q7Z7D3
ID Q7Z7D3 PRELIMINARY; PRT; 282 AA.
AC Q7Z7D3;
DT 01-OCT-2003 (TrEMBLrel. 25, Created)
DT 01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT 25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE Immune costimulatory protein B7-H4 (T cell costimulatory molecule B7x) (B7h.5).
DE NCBI_TaxID=9606;
GN Name=B7-H4; ORFNames=UNQ659;
OS Homo sapiens (Human)
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Sica G.L., Choi I.-H., Zhu G., Tamada K., Wang S.-D., Tamura H., Chapoval A.I., Flies D.B., Bajorath J., Chen L.;
RL Submitted (APR-2003) to the EMBL/GenBank/DBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=22833980; PubMed=12920180; DOI=10.1073/pnas.1434299100;
RA Zang X., Loke P., Kim J., Murphy K., Waitz R., Allison J.P.;
RT "B7x: a widely expressed B7 family member that inhibits T cell activation.";
RL Proc. Natl. Acad. Sci. U.S.A. 100:10388-10392(2003).
RN [3]
RP SEQUENCE FROM N.A.
RX MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;
RA Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J., Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P., Eaton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S., Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J., Lewis L., Liao D., Mark M., Robbie E., Sanchez C., Schoenfeld J., Seehagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A., Vanden R., Watanabe C., Wiedand D., Woods K., Xie M.H., Yansura D., Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.R., Godowski P.;
RT "The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment.";
RL Genome Res. 13:2265-2270(2003).
RN [4]
RP SEQUENCE FROM N.A.
RX MEDLINE=22398257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G., Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D., Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Haie H., Diatchenko L., Marusina K., Farmer A., Rubin G.M., Hong L., Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., Brownstein M.J., Udén T.B., Toshiyuki S., Carninci P., Prange C., Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

RA	Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,	DR	InterPro: IPR007110; Ig-like.
RA	Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,	DR	SMART; SM00409; IG; 1.
RA	Vallalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,	DR	PROSITE; PS0835; IG-LIKE; 2.
RA	Fahy J., Helton E., Kettelman M., Madan A., Rodrigues S., Sanchez A.,	SQ	SEQUENCE 282 AA; 30893 MW; 6F9066999A1E9DB4 CRC64;
RA	Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,		
RA	Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,		
RA	Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,		
RA	Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,		
RA	Jones S.J., Marra M.A.		
RT	"Generation and initial analysis of more than 15,000 full-length human		
RT	and mouse cDNA sequences.";		
RL	Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).		
RN	[5]		
RP	SEQUENCE FROM N.A.		
RC	TISSUE=Brain;		
RA	Director MGC Project;		
RL	Submitted (JUN-2004) to the EMBL/GenBank/DBJ databases.		
DR	EMBL; AY280972; AAP37283.1; -		
DR	EMBL; AY346100; AAQ24206.1; -		
DR	EMBL; AY358352; AAQ88718.1; -		
DR	EMBL; BC074729; AAH74729.1; -		
DR	HSSP; Q63345; IPKO.		
DR	InterPro; IPR007110; Ig-like.		
DR	Fram; PF00047; Ig; 1.		
DR	PROSITE; PS0835; IG-LIKE; 2.		
SQ	SEQUENCE 282 AA; 30878 MW; 1C9C565A9242E78C CRC64;		
Query Match	100.0%; Score 1431; DB 2; Length 282;		
Best Local Similarity	100.0%; Pred. No. 1.5e-107;		
Matches 282; Conservative	0; Mismatches 0; Indels 0; Gaps 0;		
QY	1 MASLGQILFWSIIISIIILAGAIALLIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60		
Db	1 MASLGQILFWSIIISIIILAGAIALLIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60		
QY	61 DIKLSDIVIOWLKEGVLGVHEFKGKDELSEQDEMFRGRTAVFADQVIVGNASLRKLV 120		
Db	61 DIKLSDIVIOWLKEGVLGVHEFKGKDELSEQDEMFRGRTAVFADQVIVGNASLRKLV 120		
QY	121 QLTDACTYKCYIITSKGKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRFPQPTVV 180		
Db	121 QLTDACTYKCYIITSKGKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRFPQPTVV 180		
QY	181 WASQVDQGANFSEVNTSFELNSENVTMKVSVLYNVTNNYSCMIENDIAKATGDIKV 240		
Db	181 WASQVDQGANFSEVNTSFELNSENVTMKVSVLYNVTNNYSCMIENDIAKATGDIKV 240		
QY	241 TESEIKRRSHLQLLNKSKASLCVSSPFAISWALLPLSPYMLK 282		
Db	241 TESEIKRRSHLQLLNKSKASLCVSSPFAISWALLPLSPYMLK 282		
RESULT 3			
Q7TPH5	PRELIMINARY; PRT; 283 AA.		
ID	Q7TPH5		
AC	Q7TPH5		
DT	01-OCT-2003 (TREMBLrel. 25, Created)		
DT	01-OCT-2003 (TREMBLrel. 25, Last sequence update)		
DT	01-MAR-2004 (TREMBLrel. 26, Last annotation update)		
DE	B7S1.		
OS	Mus musculus (Mouse).		
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
OC	Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.		
OX	NCBI_TaxID=10090;		
RN	[1]		
RP	SEQUENCE FROM N.A.		
RX	MEDLINE=22703430; PubMed=12818166; DOI=10.1016/S1074-7613(03)00147-X;		
RA	Prasad D.V., Richards S., Mai X.M., Dong C.;		
RT	"B7S1, a novel B7 family member that negatively regulates T cell		
RT	activation.";		
RL	Immunity 18:863-873(2003).		
DR	EMBL; AY322147; AAP8965.1; -		
DR	HSSP; Q63345; IPKO.		
DR	InterPro; IPR003599; Ig.		
DR	InterPro; IPR007110; Ig-like.		
DR	SMART; SM00409; IG; 1.		
DR	PROSITE; PS0835; IG-LIKE; 2.		
SQ	SEQUENCE 283 AA; 30847 MW; A97F17461857850B CRC64;		
Query Match	88.2%; Score 1261.5; DB 2; Length 283;		
Best Local Similarity	88.0%; Pred. No. 8e-94;		
Matches 249; Conservative	13; Mismatches 20; Indels 1; Gaps 1;		
QY	1 MASLGQILFWSIIISIIILAGAIALLIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60		
Db	1 MASLGQILFWSIIISIIILAGAIALLIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60		
QY	61 DIKLSDIVIOWLKEGVLGVHEFKGKDELSEQDEMFRGRTAVFADQVIVGNASLRKLV 120		
Db	61 DIKLSDIVIOWLKEGVLGVHEFKGKDELSEQDEMFRGRTAVFADQVIVGNASLRKLV 120		
QY	121 QLTDACTYKCYIITSKGKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRFPQPTVV 180		
Db	121 QLTDACTYKCYIITSKGKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRFPQPTVV 180		
Query Match	100.0%; Score 1431; DB 2; Length 282;		
Best Local Similarity	100.0%; Pred. No. 1.5e-107;		
Matches 282; Conservative	0; Mismatches 0; Indels 0; Gaps 0;		
QY	1 MASLGQILFWSIIISIIILAGAIALLIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60		
Db	1 MASLGQILFWSIIISIIILAGAIALLIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60		
QY	61 DIKLSDIVIOWLKEGVLGVHEFKGKDELSEQDEMFRGRTAVFADQVIVGNASLRKLV 120		
Db	61 DIKLSDIVIOWLKEGVLGVHEFKGKDELSEQDEMFRGRTAVFADQVIVGNASLRKLV 120		
QY	121 QLTDACTYKCYIITSKGKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRFPQPTVV 180		
Db	121 QLTDACTYKCYIITSKGKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRFPQPTVV 180		
QY	181 WASQVDQGANFSEVNTSFELNSENVTMKVSVLYNVTNNYSCMIENDIAKATGDIKV 240		
Db	181 WASQVDQGANFSEVNTSFELNSENVTMKVSVLYNVTNNYSCMIENDIAKATGDIKV 240		
QY	241 TESEIKRRSHLQLLNKSKASLCVSSPFAISWALLPLSPYMLK 282		
Db	241 TESEIKRRSHLQLLNKSKASLCVSSPFAISWALLPLSPYMLK 282		
RESULT 2			
Q9H6B2	PRELIMINARY; PRT; 282 AA.		
ID	Q9H6B2		
AC	Q9H6B2		
DT	01-MAR-2001 (TREMBLrel. 16, Created)		
DT	01-MAR-2001 (TREMBLrel. 16, Last sequence update)		
DT	01-OCT-2003 (TREMBLrel. 25, Last annotation update)		
DE	Hypothetical protein FLJ22418.		
OS	Homo sapiens (Human).		
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
OC	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
OX	NCBI_TaxID=9606;		
RN	[1]		
RP	SEQUENCE FROM N.A.		
RA	Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S.,		
RA	Okitani R., Ota T., Suzuki Y., Obayashi M., Nishi T., Shibahara T.,		
RA	Tanaka T., Nakamura Y., Isogai T., Sugano S.;		
RL	Submitted (AUG-2000) to the EMBL/GenBank/DBJ databases.		
DR	EMBL; AK026071; BAB15349.1; -		
DR	HSSP; Q63345; IPKO.		
DR	InterPro; IPR003599; Ig.		


```

Qy 181 WASQVODQGANFSEVSNSTSFELNSENVTKVSVLVYNTVNTTSCMIENDIAKATGDIKV 240
Db 181 WASQVODQGANFSEVSNSTSFELNSENVTKVSVLVYNTVNTTSCMIENDIAKATGDIKV 240

Qy 241 TESIKRSHQLNLSKASLCV-SSFFAISWALLPLSPYMLK 282
Db 241 TDSEVKRRSQQLNLSGSPCVFSSAFAGWALLSLSCCLMLR 283

RESULT 4
Q7TSP5
ID Q7TSP5 PRELIMINARY; PRT; 283 AA.
AC Q7TSP5,
DT 01-OCT-2003 (TrEMBLrel. 25, Created)
DT 01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE Immune costimulatory protein B7-H4 (T cell costimulatory molecule
DE B7x).
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN 1
RP SEQUENCE FROM N.A.
RC STRAIN=BALB/c;
RA Sica G.L., Choi I.-H., Zhu G., Tamada K., Wang S.-D., Tamura H.,
RA Chapoval A.I., Flies D.B., Bajorath J., Chen L.;
RL Submitted (APR-2003) to the EMBL/GenBank/DBJ databases.
RN 2
RP SEQUENCE FROM N.A.
RC STRAIN=FVB/N;
RX MEDLINE=22833980; PubMed=12920180; DOI=10.1073/pnas.1434299100;
RA Zang X., Loke P., Kim J., Murphy K., Waitz R., Allison J.P.;
RT "B7x: a widely expressed B7 family member that inhibits T cell
RT activation."
RL Proc. Natl. Acad. Sci. U.S.A. 100:10388-10392(2003).
DR EMBL; AY280973; AA37284.1; -
DR EMBL; AY346099; AA024205.1; -
DR HSP; Q63345; 1PKO.
DR InterPro; IPR007110; IG-like.
DR PROSITE; PS50835; IG LIKE; 2.
SQ SEQUENCE 283 AA; 30875 MW; 7E2F174618578519 CRC64;

Query Match 87.9%; Score 1257.5; DB 2; Length 283;
Best Local Similarity 87.6%; Pred. No. 1.7e-93;
Matches 248; Conservative 13; Mismatches 21; Indels 1; Gaps 1;

Qy 1 MASLGQLFWSIIIIILAGAIALLIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASLGQIIFWSIINIILAGAIALLIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy 61 DIKLSDIVIOWLKEGVLGVHEFKEGKDELSEQDEMFRGRTAVFADQVVGNSLRKNV 120
Db 61 DIKLVGIVIOWLKEGKIGLVHEFKEGKDELSEQDEMFRGRTAVFADQVVGNSLRKNV 120

Qy 121 QLTDAGTYKCYIITSKGNANLEYKTKGAFSPMPVNDYNASSETLRCEAPRPFQPTVV 180
Db 121 QLTDAGTYCYIRTSGKGNANLEYKTKGAFSPMPVNDYNASSETLRCEAPRPFQPTVA 180

Qy 181 WASQVODQGANFSEVSNSTSFELNSENVTKVSVLVYNTVNTTSCMIENDIAKATGDIKV 240
Db 181 WASQVODQGANFSEVSNSTSFELNSENVTKVSVLVYNTVNTTSCMIENDIAKATGDIKV 240

Qy 241 TESIKRSHQLNLSKASLCV-SSFFAISWALLPLSPYMLK 282
Db 241 TDSEVKRRSQQLNLSGSPCVFSSAFVAGWALLSLSCCLMLR 283

RESULT 5
Q8K091
ID Q8K091 PRELIMINARY; PRT; 283 AA.
AC Q8K091,
DT 01-OCT-2002 (TrEMBLrel. 22, Created)

```

```

DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE Immune costimulatory protein B7-H4.
GN Name=BC032925;
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN 1
RP SEQUENCE FROM N.A.
RC TISSUE=Uterus;
RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Dege J.G.,
RA Klausner R.D., Collins F., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Udwin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Wooley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Kettman M., Madan A., Rodriguez S., Sanchez A.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA Jones S.J., Marra M.A.;
RT "Generation and initial analysis of more than 15,000 full-length human
RT and mouse cDNA sequences."
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN 2
RP SEQUENCE FROM N.A.
RC TISSUE=Uterus;
RA Strausberg R.;
RL Submitted (JUN-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC032925; AAH32925.1; -
DR HSP; Q63345; 1PKO.
DR MGD; MGI:3039619; BC032925.
DR InterPro; IPR003599; IG.
DR InterPro; IPR007110; IG-like.
DR SMART; SMO0409; IG; 1.
DR PROSITE; PS50835; IG LIKE; 2.
SQ SEQUENCE 283 AA; 30801 MW; 7E5817417323453B CRC64;

Query Match 87.6%; Score 1253.5; DB 2; Length 283;
Best Local Similarity 87.3%; Pred. No. 3.5e-93;
Matches 247; Conservative 14; Mismatches 21; Indels 1; Gaps 1;

Qy 1 MASLGQLFWSIIIIILAGAIALLIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASLGQIIFWSIINIILAGAIALLIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy 61 DIKLSDIVIOWLKEGVLGVHEFKEGKDELSEQDEMFRGRTAVFADQVVGNSLRKNV 120
Db 61 DIKLVGIVIOWLKEGKIGLVHEFKEGKDELSEQDEMFRGRTAVFADQVVGNSLRKNV 120

Qy 121 QLTDAGTYKCYIITSKGNANLEYKTKGAFSPMPVNDYNASSETLRCEAPRPFQPTVV 180
Db 121 QLTDAGTYCYIRSSKGNANLEYKTKGAFSPMPVNDYNASSETLRCEAPRPFQPTVA 180

Qy 181 WASQVODQGANFSEVSNSTSFELNSENVTKVSVLVYNTVNTTSCMIENDIAKATGDIKV 240
Db 181 WASQVODQGANFSEVSNSTSFELNSENVTKVSVLVYNTVNTTSCMIENDIAKATGDIKV 240

Qy 241 TESIKRSHQLNLSKASLCV-SSFFAISWALLPLSPYMLK 282
Db 241 TDSEVKRRSQQLNLSGSPCVFSSAFVAGWALLSLSCCLMLR 283

RESULT 6
Q6P097

```


234 MLTEFGQTTSSELTSEVFNCTDPLAAT--YLSVWALL 266

Db

RESULT 9

Q8AVV1	PRELIMINARY;	PRT;	275 AA.
ID	Q8AVV1		
AC	Q8AVV1; 2003 (TrEMBLrel. 23, Created)		
DT	01-MAR-2003 (TrEMBLrel. 23, Last sequence update)		
DT	01-MAR-2004 (TrEMBLrel. 26, Last annotation update)		
DE	MG52801 protein.		
OS	Xenopus laevis (African clawed frog).		
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
OC	Amphibia; Batrachia; Anura; Mesobatrachia; Pipidoidea; Pipidae;		
OC	Xenopodinae; Xenopus.		
OX	NCBI_TaxID=8355;		
RN	[1]		
RC	SEQUENCE FROM N.A.		
RP	TISSUE=Embryo;		
RX	MEDLINE=2238257; PubMed=12477932; DOI=10.1073/pnas.242603899;		
RA	Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,		
RA	Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,		
RA	Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,		
RA	Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,		
RA	Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,		
RA	Scapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,		
RA	Brownstein M.J., Udén T.B., Toshiyuki S., Carninci P., Prange C.,		
RA	Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,		
RA	Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,		
RA	Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,		
RA	Vallalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,		
RA	Fahy J., Helton E., Kettaman M., Madan A., Rodrigues S., Sanchez A.,		
RA	Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,		
RA	Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,		
RA	Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,		
RA	Krzywinski M.I., Skalka U., Smalls D.E., Schnerch A., Schein J.E.,		
RA	Jones S.J., Marra M.A.		
RT	"Generation and initial analysis of more than 15,000 full-length human		
RT	and mouse cDNA sequences."		
RN	Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903 (2002).		
RN	[2]		
RC	SEQUENCE FROM N.A.		
RP	TISSUE=Embryo;		
RX	MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;		
RA	Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,		
RA	Richardson P.		
RT	"Genetic and genomic tools for Xenopus research: The NIH Xenopus		
RT	initiative."		
RN	Dev. Dyn. 225:384-391 (2002).		
RN	[3]		
RC	SEQUENCE FROM N.A.		
RP	TISSUE=Embryo;		
RC	Klein S., Strausberg R.		
RL	Submitted (DEC-2002) to the EMBL/GenBank/DBDJ databases.		
DR	EMBL; BC041253; AAH41253.1; -		
DR	HSSP; O63345; IPKO.		
DR	InterPro; IPR003595; Ig.		
DR	InterPro; IPR007110; Ig-like.		
DR	SMART; SM00409; IG; 1.		
DR	PROSITE; PS50835; IG LIKE; 2.		
SQL	SEQUENCE 275 AA; 29751 MW; 5FD1B8FB6BC3A40B CRC64;		

Query Match 31.3%; Score 448; DB 2; Length 275;

Best Local Similarity 38.0%; Pred. No. 5e-28;

Matches 100; Conservative 57; Mismatches 98; Indels 8; Gaps 5

Qy 1 MASLGQTLFWSIIIIILAGAILITCFGISG-RHSITVTVTVASAGNIGDGLISCTFE 59

Db 1 MPGIGKTIIFRIMTAIVILLIIIGVAGNKLTIATGVTVVGRISDAILGCTFI 60

Qy 60 PDTKLSDIVIQWLKEGVLVHFKEGKDELSEQDEMPRGRTAVPAQVIVGNASLRKN 119

Matches 64; Conservative 39; Mismatches 102; Indels 10; Gaps 6;

QY 14 SIIILAGAIITIGFISGRHSITVTTVASAGNIGEDGILSCFEPDIIKLSDIVIQWLK 73
DB 5 SIIILVTF---VSLIQMSLSERFQVPTKSPVTAIVGSSIELNCHLFPFENAEKMEIRWLR 61
QY 74 EGVGLVHEPKGKDELSEQDEMGRGTAVFADQVIVGNASRLKNVQLTDAGTYKCYII 133
DB 62 NSFRPYVHLLYNGEDNTREQNEEPRGRTEFLKQNIIGRIGALTIHKVQLSDQGLTYCYFE 121
QY 134 TSKGKGNANLEYKTFGFSM-PEVNV-DYNASSETLRCEAPRFPQPTVVMASQVDQGANF 191
DB 122 SETNHQAQVELKVAAGLHPPIWEDYHDGKITLNCSSGMPFKPMWQDETGTRES 181
QY 192 SEVSNTSFELSENVTMKVSVLVNVTINNTYSQMIENDIAK--ATGDIKVTSEIKR-- 247
DB 182 TEKINVTETGLFHTVSAI-----RIETQAKISCHVRNLLLEDGESSIKFAESFYWRVD 236
QY 248 RSHLOLINSKASLCVSFFAISWALLPLSP 277
DB 237 RSGISRF-----VLMASCLAVLIVIGTVP 261

RESULT 12

Q9BXR1 ID Q9BXR1 PRELIMINARY; PRT; 316 AA.
AC Q9BXR1
DT 01-JUN-2001 (TrEMBLrel. 17, Created)
DT 01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE Costimulatory molecule.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=21163383; PubMed=1124528;
RA Chapoval A.I., Ni J., Lau J.S., Wilcox R.A., Flies D.B., Liu D.,
RA Dong H., Sica G.L., Zhu G., Tamada K., Chen L.;
RT "B7-H3: A costimulatory molecule for T cell activation and IFN-gamma
production.";
RL Nat. Immun. 2:269-274 (2001).
DR EMBL; AF302102; AAK15438.1; -.
DR HSP; Q63345; IPKO.
DR GO; GO:0008283; P:cell proliferation; NAS.
DR GO; GO:0006955; P:immune response; NAS.
DR InterPro; IPR003599; IG-like.
DR InterPro; IPR007110; IG-like.
DR Pfam; PF00047; IG; 1.
DR SMART; SM00409; IG; 2.
DR PROSITE; PS0835; IG LIKE; 2.
SQ SEQUENCE 316 AA; 33791 MW; PF97007F191CCPA1 CRC64;

Query Match 17.2%; Score 246.5; DB 2; Length 316;
Best Local Similarity 30.2%; Pred. No. 1.2e-11;
Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;
QY 21 GAIALIIGFISGRHSITVTTVASAGNIGEDGILSCF--EPDIKLSDIVIQWLKEGVLG 78
DB 15 GAIAGALWFLTGALFVQVPEDPVVALVGTDATLCCSFSPGSLAQLNLIWQLTQK 74
QY 79 LVHEFKGKDELSEQDEMGRGTAVFADQVIVGNASRLKNVQLTDAGTYKCYIITSKGL 138
DB 75 LVHSFAEQD---QGSAYANRTALFPDLLAQGNASRLQVRVADGSGTFCF-VSIRDF 129
QY 139 GNANLEYKTCG-FSMPEVNVVYN-----ASSETLRCEAPRFPQPTVVMASQVDQGANFS 192
DB 130 GSAAVSLQVAAPYKPSMTLPNKLPRDGTVTITCSSYRGYPEAEVFW--QDQGGVPLT 187
QY 193 EVSNTSFELSENVTMKVSVLVNVT-INNTYSQMIENDIAK--ATGDIKVT 241
DB 188 GNVTTIS-OMANEQGLFDVHSLVRVLGANGTYSCLVRNPVLQDAGHSVTIT 238

RESULT 13

Q8NC34 ID Q8NC34 PRELIMINARY; PRT; 388 AA.
AC Q8NC34
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE Hypothetical protein FLJ90516.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Isogai T., Ota T., Nishikawa T., Hayashi K., Otsuki T., Sugiyama T.,
RA Suzuki Y., Nagai K., Sugano S., Ishii S., Kawai-Hio Y., Saito K.,
RA Yamamoto J., Wakamatsu A., Nakamura Y., Kojima S., Nagahari K.,
RA Masuho Y., Ono T., Okano K., Yoshikawa Y., Aotsuka S., Sasaki N.,
RA Hattori A., Okumura K., Iwayanagi T., Ninomiya K.;
RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AK074997; BAC11344.1; -.
DR HSP; Q63345; IPKO.
DR InterPro; IPR007110; IG-like.
DR InterPro; IPR003598; IG_c2.
DR Pfam; PF00047; IG; 2.
DR SMART; SM00408; IGC2; 1.
DR PROSITE; PS0835; IG LIKE; 3.
SQ SEQUENCE 388 AA; 41768 MW; 44A59B9E3AB3DCD3 CRC64;
Query Match 17.1%; Score 245; DB 2; Length 388;
Best Local Similarity 27.8%; Pred. No. 2e-11;
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;
QY 11 SIIISIIILAGAIITIGFGI---SGRHSITVTTVAS-----AGNIGEDGI 53
DB 60 SIIRVLGANGTYSCLVRNPVLQDAGHSVTITPQSPTCGAVEQVDPEDPVVALVGTDAT 119
QY 54 LSCTF--EPDIKLSDIVIQWLKEGVGLVHEFKGKDELSEQDEMGRGTAVFADQVIVG 111
DB 120 LRCSFSPGSLAQLNLIWQLTDTKQLVHSFTGTRD---QGSAYANRTALFPDLLAQ 175
QY 112 NASRLKNVQLTDAGTYKCYIITSKGNANLEYKTCG-FSMPEVNVVYN-----ASSET 165
DB 176 NASRLQVRVADGSGTFCF-VSIRDFGSAAVSLQVAAPYKPSMTLPNKLPRDGTVT 234
QY 166 LRCEAPRFPQPTVVMASQVDQGANFSEVNTFELSENVTMKVSVLVNVT-INNTYS 224
DB 235 ITCSSYRGYPEAEVFW--QDQGGVPLTGNVTTIS-OMANEQGLFDVHSLVRVLGANGTYS 291
QY 225 CMIENDIAK--ATGDIKVT 241
DB 292 CLVRNPVLQDAGHSVTIT 310

RESULT 14

Q6PSY4 ID Q6PSY4 PRELIMINARY; PRT; 493 AA.
AC Q6PSY4
DT 05-JUL-2004 (TrEMBLrel. 27, Created)
DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE Hypothetical protein.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Lung;
RX MEDLINE=22389257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,

RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Rana S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Bobak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Kettman M., Madan A.C., Rodrigues S., Sanchez A.,
RA Whiting J., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Brakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA Jones S.J., Marra M.A.
RT "Generation and initial analysis of more than 15,000 full-length human
RT and mouse cDNA sequences."
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN [2]
RP SEQUENCE FROM N.A.
RC TISSUE=Lung;
RA Strausberg R.;
RL Submitted (NOV-2003) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC062581; AA62581.1; -;
DR InterPro; IPR003599; IG.
DR InterPro; IPR007110; IG-like.
DR InterPro; IPR003597; IG cl.
DR InterPro; IPR003598; IG c2.
DR InterPro; IPR003596; IG v.
DR Pfam; PF00047; IG; 2.
DR SMART; SM00409; IG; 4.
DR SMART; SM00407; IGcl; 2.
DR SMART; SM00408; IGcl; 4.
DR SMART; SM00406; IGv; 2.
DR PROSITE; PS50835; IG_LIKE; 4.
KW Hypothetical protein.
SQ SEQUENCE 493 AA; 52761 MW; CD7C5591CC4822D2 CRC64;

Query Match 17.1%; Score 245; DB 2; Length 493;
Best Local Similarity 27.8%; Pred. No. 2.8e-11;
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;

Qy 11 SIISIIILAGALIIIGFI---SGRHSITVTIVAS-----AGNIGEDGI 53
Db 206 SILRVVLGANGTYSCLVRNPVLOQDAHSSVTITPQRSPTGAVEVQVPEDPVVALVGTDAT 265
Qy 54 LSCTF--EPDIKLSDIVIOWLKEGVLGVHFEKGEKDELSEODEMFRGRTAVFADQVIVG 111
Db 266 LRCSFSPGFGSLAQLNLIIWLTDTKQLVHSFTGDRD---QGSAYANRTALPDLAQQ 321
Qy 112 NASLRKNVOLTADGTYKCYIITSKGKGNANLEYKTGA-FSMPEVNVDYN-----ASSET 165
Db 322 NASLRQVRVADEGSFTCF-VSIRDFGSAVSLQVAAPYKPSMTLEPNKDLRPGDTVT 380
Qy 166 LRCEAPRWFPPQPTVVWASQVDQGANFSEVNTSEFELNSENVTMKVSVLYNVT-INNTYS 224
Db 381 ITCSSYRGYPEAEVFW--QDQGVPLTGNVTTTS-QMANEQGLFDVHSLRVVLGANGTYS 437
Qy 225 CMIENDIAK--ATGDIKVT 241
Db 438 CLVRNPVLOQDAHGSVTIT 456

Search completed: April 19, 2005, 07:15:01
Job time : 93 secs

OC Mammalia; Euthera; Primates; Catarrhini; Homnidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Isogai T., Ota T., Nishikawa T., Hayashi K., Otsuki T., Sugiyama T.,
RA Suzuki Y., Nagai K., Sugano S., Ishii S., Kawai-Hio Y., Saito K.,
RA Yamamoto J., Wakamatsu A., Nakamura Y., Kojima S., Nagahari K.,
RA Masuho Y., Ono T., Okano K., Yoshikawa Y., Aotsuka S., Sasaki N.,
RA Hattori A., Okumura K., Iwayanagi T., Ninomiya K.,
RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AK074849; BAC11243.1; -;
DR HSP; Q63345; LPKO.
DR InterPro; IPR003599; IG.
DR InterPro; IPR007110; IG-like.
DR Pfam; PF00047; IG; 2.
DR SMART; SM00409; IG; 4.
DR PROSITE; PS50835; IG_LIKE; 4.
SQ SEQUENCE 533 AA; 57179 MW; FC7E3E3A84F56A56 CRC64;

Query Match 17.1%; Score 245; DB 2; Length 533;
Best Local Similarity 27.8%; Pred. No. 3.1e-11;
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;

Qy 11 SIISIIILAGALIIIGFI---SGRHSITVTIVAS-----AGNIGEDGI 53
Db 206 SILRVVLGANGTYSCLVRNPVLOQDAHSSVTITPQRSPTGAVEVQVPEDPVVALVGTDAT 265
Qy 54 LSCTF--EPDIKLSDIVIOWLKEGVLGVHFEKGEKDELSEODEMFRGRTAVFADQVIVG 111
Db 266 LRCSFSPGFGSLAQLNLIIWLTDTKQLVHSFTGDRD---QGSAYANRTALPDLAQQ 321
Qy 112 NASLRKNVOLTADGTYKCYIITSKGKGNANLEYKTGA-FSMPEVNVDYN-----ASSET 165
Db 322 NASLRQVRVADEGSFTCF-VSIRDFGSAVSLQVAAPYKPSMTLEPNKDLRPGDTVT 380
Qy 166 LRCEAPRWFPPQPTVVWASQVDQGANFSEVNTSEFELNSENVTMKVSVLYNVT-INNTYS 224
Db 381 ITCSSYRGYPEAEVFW--QDQGVPLTGNVTTTS-QMANEQGLFDVHSLRVVLGANGTYS 437
Qy 225 CMIENDIAK--ATGDIKVT 241
Db 438 CLVRNPVLOQDAHGSVTIT 456

Search completed: April 19, 2005, 07:15:01
Job time : 93 secs

RESULT 15

Q8NCB6

ID Q8NCB6 PRELIMINARY; PRT; 533 AA.

AC Q8NCB6;

DT 01-OCT-2002 (TrEMBLrel. 22, Created)

DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)

DT 01-MAR-2004 (TrEMBLrel. 26, Last annotation update)

DE Hypothetical protein FLJ90368.

OS Homo sapiens (Human)

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Result No.	Query			DB	ID	Description
	Score	Match	Length			
1	1431	100.0	282	9	US-09-778-320-208	Sequence 208, App
2	1431	100.0	282	9	US-09-850-178-33	Sequence 33, Appli
3	1431	100.0	282	9	US-09-877-065-8	Sequence 8, Appli
4	1431	100.0	282	9	US-09-989-723-291	Sequence 291, App
5	1431	100.0	282	9	US-09-989-723-291	Sequence 291, App
6	1431	100.0	282	9	US-09-989-279-291	Sequence 291, App
7	1431	100.0	282	9	US-09-989-727-291	Sequence 291, App
8	1431	100.0	282	9	US-09-910-689-208	Sequence 208, App
9	1431	100.0	282	9	US-09-989-731-291	Sequence 291, App
10	1431	100.0	282	9	US-09-884-441-393	Sequence 393, App
11	1431	100.0	282	9	US-09-989-733-291	Sequence 291, App
12	1431	100.0	282	9	US-09-991-073-291	Sequence 291, App
13	1431	100.0	282	9	US-09-990-441-291	Sequence 291, App

```
121 QLTDAQYKCYIITSKGNANLEYKTGAFSMPENVVDYNASSETLRCEAPRFPQPTVV 180
121 QLTDAQYKCYIITSKGNANLEYKTGAFSMPENVVDYNASSETLRCEAPRFPQPTVV 180
181 WASQVQGANFSEVSNTPFELNSENVTKVSVLYNNTTSCMIENDIAKATGDIKV 240
181 WASQVQGANFSEVSNTPFELNSENVTKVSVLYNNTTSCMIENDIAKATGDIKV 240
241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282
241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 2
US-09-850-178-33
; Sequence 33, Application US/09850178
; Patent No. US20020034749A1
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Billing-Medel, Patricia A.
; APPLICANT: Cohen, Maurice
; APPLICANT: Colipitts, Tracey L.
; APPLICANT: Friedman, Paula N.
; APPLICANT: Russell, John C.
; APPLICANT: Granados, Edward N.
; APPLICANT: Hodges, Steven C.
; APPLICANT: Klass, Michael R.
; APPLICANT: Kratochvil, Jon D.
; APPLICANT: Roberts-Rapp, Lisa
; APPLICANT: Stroupe, Stephen D.
; APPLICANT: Gordon, Juliana
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
; TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST
; FILE REFERENCE: 6251.US.P1
; CURRENT FILING DATE: 2001-05-07
; PRIOR APPLICATION NUMBER: US 08/972,376
; PRIOR FILING DATE: 1997-11-18
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-850-178-33

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MASLGOILFWSIISIIILAGAIALIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
DB 1 MASLGOILFWSIISIIILAGAIALIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
QY 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
DB 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
QY 121 QLTDAQYKCYIITSKGNANLEYKTGAFSMPENVVDYNASSETLRCEAPRFPQPTVV 180
DB 121 QLTDAQYKCYIITSKGNANLEYKTGAFSMPENVVDYNASSETLRCEAPRFPQPTVV 180
QY 181 WASQVQGANFSEVSNTPFELNSENVTKVSVLYNNTTSCMIENDIAKATGDIKV 240
DB 181 WASQVQGANFSEVSNTPFELNSENVTKVSVLYNNTTSCMIENDIAKATGDIKV 240
QY 241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282
DB 241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 3
US-09-850-178-33
; Sequence 33, Application US/09850178
; Patent No. US20020034749A1
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Billing-Medel, Patricia A.
; APPLICANT: Cohen, Maurice
; APPLICANT: Colipitts, Tracey L.
; APPLICANT: Friedman, Paula N.
; APPLICANT: Russell, John C.
; APPLICANT: Granados, Edward N.
; APPLICANT: Hodges, Steven C.
; APPLICANT: Klass, Michael R.
; APPLICANT: Kratochvil, Jon D.
; APPLICANT: Roberts-Rapp, Lisa
; APPLICANT: Stroupe, Stephen D.
; APPLICANT: Gordon, Juliana
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
; TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST
; FILE REFERENCE: 6251.US.P1
; CURRENT FILING DATE: 2001-05-07
; PRIOR APPLICATION NUMBER: US 08/972,376
; PRIOR FILING DATE: 1997-11-18
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-850-178-33

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MASLGOILFWSIISIIILAGAIALIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
DB 1 MASLGOILFWSIISIIILAGAIALIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
QY 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
DB 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
QY 121 QLTDAQYKCYIITSKGNANLEYKTGAFSMPENVVDYNASSETLRCEAPRFPQPTVV 180
DB 121 QLTDAQYKCYIITSKGNANLEYKTGAFSMPENVVDYNASSETLRCEAPRFPQPTVV 180
QY 181 WASQVQGANFSEVSNTPFELNSENVTKVSVLYNNTTSCMIENDIAKATGDIKV 240
DB 181 WASQVQGANFSEVSNTPFELNSENVTKVSVLYNNTTSCMIENDIAKATGDIKV 240
QY 241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282
DB 241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282
```

```
US-09-877-065-8
; Sequence 8, Application US/09877065
; Patent No. US20020051990A1
; GENERAL INFORMATION:
; APPLICANT: OPLE, ERIC
; APPLICANT: MCLACHLAN, KAREN
; APPLICANT: HEARD, CHERYL J.
; TITLE OF INVENTION: NOVEL GENE TARGETS AND LIGANDS THAT BIND THERETO FOR
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF OVARIAN CARCINOMAS
; FILE REFERENCE: 037003-0280631
; CURRENT APPLICATION NUMBER: US/09/877,065
; CURRENT FILING DATE: 2001-06-11
; PRIOR APPLICATION NUMBER: 60/210,451
; PRIOR FILING DATE: 2000-06-09
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-877-065-8

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MASLGOILFWSIISIIILAGAIALIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
DB 1 MASLGOILFWSIISIIILAGAIALIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
QY 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
DB 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
QY 121 QLTDAQYKCYIITSKGNANLEYKTGAFSMPENVVDYNASSETLRCEAPRFPQPTVV 180
DB 121 QLTDAQYKCYIITSKGNANLEYKTGAFSMPENVVDYNASSETLRCEAPRFPQPTVV 180
QY 181 WASQVQGANFSEVSNTPFELNSENVTKVSVLYNNTTSCMIENDIAKATGDIKV 240
DB 181 WASQVQGANFSEVSNTPFELNSENVTKVSVLYNNTTSCMIENDIAKATGDIKV 240
QY 241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282
DB 241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 4
US-09-989-722-291
; Sequence 291, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Nepier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Watanabe, Colin K.
```


APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C63
CURRENT APPLICATION NUMBER: US/09/989,722
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826

PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25

;; PRIOR APPLICATION NUMBER: 60/090690
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090695
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090696
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 1431; DB 9; Length 282;

Best Local Similarity 100.0%; Pred. No. 2.7e-112; Mismatches 0; Indels 0; Gaps 0;
Matches 282; Conservative 0;

Qy 1 MASLGQILFWSIIIIILAGAIALIIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASLGQILFWSIIIIILAGAIALIIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Qy 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEQDEMFRGTAVFADQVIVGNASLRKNV 120
Db 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEQDEMFRGTAVFADQVIVGNASLRKNV 120
Qy 121 QLTDAGTYKCVIITSKGNANLEYKTGAFSMPVNVVDYNASSETLRCEAPRFPQPTVV 180
Db 121 QLTDAGTYKCVIITSKGNANLEYKTGAFSMPVNVVDYNASSETLRCEAPRFPQPTVV 180
Qy 181 WASQVQGANFSEVSNSTSFELNSENVTMKVSVLVYNTVNTTYSCTMIENDIAKATGDIKV 240
Db 181 WASQVQGANFSEVSNSTSFELNSENVTMKVSVLVYNTVNTTYSCTMIENDIAKATGDIKV 240
Qy 241 TSEIKRSHLOLNSKASLCVSSFFAISWALLPLSPYLMK 282
Db 241 TSEIKRSHLOLNSKASLCVSSFFAISWALLPLSPYLMK 282

RESULT 5

US-09-989-723-291
; Sequence 291, Application US/09989723
; Patent No. US20020072052A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deanoysers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher

;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2730P1C62
;; CURRENT APPLICATION NUMBER: US/09/989,723
;; CURRENT FILING DATE: 2001-11-19
;; PRIOR APPLICATION NUMBER: 60/049787
;; PRIOR FILING DATE: 1997-06-16
;; PRIOR APPLICATION NUMBER: 60/062250
;; PRIOR FILING DATE: 1997-10-17
;; PRIOR APPLICATION NUMBER: 60/065186
;; PRIOR FILING DATE: 1997-11-12
;; PRIOR APPLICATION NUMBER: 60/065311
;; PRIOR FILING DATE: 1997-11-13
;; PRIOR APPLICATION NUMBER: 60/066770
;; PRIOR FILING DATE: 1997-11-24
;; PRIOR APPLICATION NUMBER: 60/075945
;; PRIOR FILING DATE: 1998-02-25
;; PRIOR APPLICATION NUMBER: 60/078910
;; PRIOR FILING DATE: 1998-03-20
;; PRIOR APPLICATION NUMBER: 60/083322
;; PRIOR FILING DATE: 1998-04-28
;; PRIOR APPLICATION NUMBER: 60/084600
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/087106
;; PRIOR FILING DATE: 1998-05-28
;; PRIOR APPLICATION NUMBER: 60/087607
;; PRIOR FILING DATE: 1998-06-02
;; PRIOR APPLICATION NUMBER: 60/087609
;; PRIOR FILING DATE: 1998-06-02
;; PRIOR APPLICATION NUMBER: 60/087759
;; PRIOR FILING DATE: 1998-06-02
;; PRIOR APPLICATION NUMBER: 60/087827
;; PRIOR FILING DATE: 1998-06-03
;; PRIOR APPLICATION NUMBER: 60/088021
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088025
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088026
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088028
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088029
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088030
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088033
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088326
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088167
;; PRIOR FILING DATE: 1998-06-05
;; PRIOR APPLICATION NUMBER: 60/088202
;; PRIOR FILING DATE: 1998-06-05
;; PRIOR APPLICATION NUMBER: 60/088212
;; PRIOR FILING DATE: 1998-06-05
;; PRIOR APPLICATION NUMBER: 60/088217
;; PRIOR FILING DATE: 1998-06-05
;; PRIOR APPLICATION NUMBER: 60/088655
;; PRIOR FILING DATE: 1998-06-09
;; PRIOR APPLICATION NUMBER: 60/088734
;; PRIOR FILING DATE: 1998-06-10

; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540

; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 1431; DB 9; Length 282;

Best Local Similarity 100.0%; Pred. No. 2.7e-112; Mismatches 0; Indels 0; Gaps 0;
Matches 282; Conservative 0;

Qy 1 MASLGQLFWSIIISIIILAGATAIIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASLGQLFWSIIISIIILAGATAIIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Qy 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
Db 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
Qy 121 QLTDAGTYKCYIITSKGNANLEYKTGFASMEPVNDYNASSSETLCEAPRWFPOPTVV 180
Db 121 QLTDAGTYKCYIITSKGNANLEYKTGFASMEPVNDYNASSSETLCEAPRWFPOPTVV 180
Qy 181 WASQVDOGANFSEVSNSTSFELNSENVTMKVSVLYNVYNTINNTYSCMIENDIAKATGDIKV 240
Db 181 WASQVDOGANFSEVSNSTSFELNSENVTMKVSVLYNVYNTINNTYSCMIENDIAKATGDIKV 240
Qy 241 TESEIKRSHQLNLNSKASLCVSSFFAISWALLPLSPYLMK 282
Db 241 TESEIKRSHQLNLNSKASLCVSSFFAISWALLPLSPYLMK 282

RESULT 6

US-09-989-279-291
; Sequence 291, Application US/09989279
; Patent No. US20020072496A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David

APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C56
CURRENT APPLICATION NUMBER: US/09/989,279
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24

;; PRIOR APPLICATION NUMBER: 60/090444
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090445
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090472
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090535
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090540
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090542
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090557
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090676
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090678
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090690
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090695
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090696
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASIGQLPWSIIISIIILLAGAIALIIIGFSGRHSITVTVASAGNIGEDGILSCTFEP 60
Db 1 MASIGQLPWSIIISIIILLAGAIALIIIGFSGRHSITVTVASAGNIGEDGILSCTFEP 60

Qy 61 DIKLSDIVIOWLKEGVGLVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120
Db 61 DIKLSDIVIOWLKEGVGLVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120

Qy 121 QLTDAGTYKCYIITSKGNANLEYKTKGAFSPMEPVNVVDYNASSETLRCEAPRFPQPTVV 180
Db 121 QLTDAGTYKCYIITSKGNANLEYKTKGAFSPMEPVNVVDYNASSETLRCEAPRFPQPTVV 180

Qy 181 WASQVDOGANFSEVNSVTSFELNSENVTKVSVLYNVYNTINNTYSCMIENDIAKATGDIKV 240
Db 181 WASQVDOGANFSEVNSVTSFELNSENVTKVSVLYNVYNTINNTYSCMIENDIAKATGDIKV 240

Qy 241 TSEIKRRSHQLLNSKASLCVSSFFFAISWALLPLSPVLMK 282
Db 241 TSEIKRRSHQLLNSKASLCVSSFFFAISWALLPLSPVLMK 282

RESULT 7

US-09-989-727-291
; Sequence 291, Application US/09989727
; Patent No. US20020072497A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C65
; CURRENT APPLICATION NUMBER: US/09/989,727
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04

```
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349

; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASLQILFWSIISIIILAGATALLIGFISGRHSITVTTVASAGNIGDGLSCTFEP 60
Db 1 MASLQILFWSIISIIILAGATALLIGFISGRHSITVTTVASAGNIGDGLSCTFEP 60
Qy 61 DIKLSDIVIQLKEGVLGVHFEKKGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
Db 61 DIKLSDIVIQLKEGVLGVHFEKKGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
Qy 121 QLTDACTYKCYIITSKGNANLEYKTGAFSPMEVNDVYNASSETLRCEAPRFPQPTVV 180
Db 121 QLTDACTYKCYIITSKGNANLEYKTGAFSPMEVNDVYNASSETLRCEAPRFPQPTVV 180
```

Qy	181	WASQVDQANFSEVNTSFELNSENVTWKVSVLYNVTNNYTSCHIENDIAKATGDIKV	240
Db	181	WASQVDQANFSEVNTSFELNSENVTWKVSVLYNVTNNYTSCHIENDIAKATGDIKV	240
Qy	241	TESBIKRSHIQLLNSKASLCVSSPFAISWALLPLSPYMLK	282
Db	241	TESBIKRSHIQLLNSKASLCVSSPFAISWALLPLSPYMLK	282

RESULT 8

```

US-09-910-689-208
; Sequence 208, Application US/09910689
; Patent No. US20020081609A1
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Day, Craig H.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Mitcham, Jennifer
; APPLICANT: Wang, Tongtong
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.491C6
; CURRENT APPLICATION NUMBER: US/09/910.689
; CURRENT FILING DATE: 2001-07-20
; NUMBER OF SEQ ID NOS: 307
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 208
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-910-689-208

```

```
Query Match      100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy	1	MASLGQILFWSIISIIIIILACAI	IIIGFISGRHSITVTTVASAGNTGEDI	LSC	TPEP	60
Db	1	MASLGQILFWSIISIIIIILACAI	IIIGFISGRHSITVTTVASAGNTGEDI	LSC	TPEP	60
Qy	61	DIKLSDIVIOMLKEGVLGLVHEF	KEGKDEBELSEDENFRGRTAVFADQ	VI	VGASLRLKNV	120
Db	61	DIKLSDIVIOMLKEGVLGLVHEF	KEGKDEBELSEDENFRGRTAVFADQ	VI	VGASLRLKNV	120
Qy	121	QLTDAGTYKCVIIITSKKGKGNAN	LEYKGFAPMEPVNVVDYNASSETL	RCEAP	RWFPPQTVV	180
Db	121	QLTDAGTYKCVIIITSKKGKGNAN	LEYKGFAPMEPVNVVDYNASSETL	RCEAP	RWFPPQTVV	180
Qy	181	WASQVDQGANFSEVNSYTSFELSEN	VNTWKVSVLVNVTINNTYS	SCIEN	DIKATGDIKV	240
Db	181	WASQVDQGANFSEVNSYTSFELSEN	VNTWKVSVLVNVTINNTYS	SCIEN	DIKATGDIKV	240
Qy	241	TESIKRSHIOLANSKASLCVSGFFA	ISWALLPLSPYMLK			282
Db	241	TESIKRSHIOLANSKASLCVSGFFA	ISWALLPLSPYMLK			282

RESULT 9

```

RESOL 3
US-09-989-731-291
; Sequence 291, Application US/09989731
; Patent No. US20020103125A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman

```

1	APPLICANT:	Gerber, Hanspeter	
2	APPLICANT:	Gerritsen, Mary E.	
3	APPLICANT:	Goddard, Audrey	
4	APPLICANT:	Godowski, Paul J.	
5	APPLICANT:	Grimaldi, J. Christopher	
6	APPLICANT:	Gurney, Austin L.	
7	APPLICANT:	Kljasin, Ivar J.	
8	APPLICANT:	Napier, Mary A.	
9	APPLICANT:	Pan, James	
10	APPLICANT:	Paoni, Nicholas F.	
11	APPLICANT:	Roy, Margaret Ann	
12	APPLICANT:	Stewart, Timothy A.	
13	APPLICANT:	Tumae, Daniel	
14	APPLICANT:	Watanabe, Colin K.	
15	APPLICANT:	Williams, P. Mickey	
16	APPLICANT:	Wood, William I.	
17	APPLICANT:	Zhang, Zemin	
18	TITLE OF INVENTION:	Secreted and Transmembrane Polypeptides and Nucleic	
19	TITLE OF INVENTION:	Acids Encoding the Same	
20	FILE REFERENCE:	P2730PIC70	
21	CURRENT APPLICATION NUMBER:	US/09/989,731	
22	CURRENT FILING DATE:	2001-11-20	
23	PRIOR APPLICATION NUMBER:	60/049787	
24	PRIOR FILING DATE:	1997-06-16	
25	PRIOR APPLICATION NUMBER:	60/062250	
26	PRIOR FILING DATE:	1997-10-17	
27	PRIOR APPLICATION NUMBER:	60/065186	
28	PRIOR FILING DATE:	1997-11-12	
29	PRIOR APPLICATION NUMBER:	60/065311	
30	PRIOR FILING DATE:	1997-11-13	
31	PRIOR APPLICATION NUMBER:	60/066770	
32	PRIOR FILING DATE:	1997-11-24	
33	PRIOR APPLICATION NUMBER:	60/075945	
34	PRIOR FILING DATE:	1998-02-25	
35	PRIOR APPLICATION NUMBER:	60/078910	
36	PRIOR FILING DATE:	1998-03-20	
37	PRIOR APPLICATION NUMBER:	60/083322	
38	PRIOR FILING DATE:	1998-04-28	
39	PRIOR APPLICATION NUMBER:	60/084600	
40	PRIOR FILING DATE:	1998-05-07	
41	PRIOR APPLICATION NUMBER:	60/087106	
42	PRIOR FILING DATE:	1998-05-28	
43	PRIOR APPLICATION NUMBER:	60/087607	
44	PRIOR FILING DATE:	1998-06-02	
45	PRIOR APPLICATION NUMBER:	60/087609	
46	PRIOR FILING DATE:	1998-06-02	
47	PRIOR APPLICATION NUMBER:	60/087759	
48	PRIOR FILING DATE:	1998-06-02	
49	PRIOR APPLICATION NUMBER:	60/087827	
50	PRIOR FILING DATE:	1998-06-03	
51	PRIOR APPLICATION NUMBER:	60/088021	
52	PRIOR FILING DATE:	1998-06-04	
53	PRIOR APPLICATION NUMBER:	60/088025	
54	PRIOR FILING DATE:	1998-06-04	
55	PRIOR APPLICATION NUMBER:	60/088026	
56	PRIOR FILING DATE:	1998-06-04	
57	PRIOR APPLICATION NUMBER:	60/088028	
58	PRIOR FILING DATE:	1998-06-04	
59	PRIOR APPLICATION NUMBER:	60/088029	
60	PRIOR FILING DATE:	1998-06-04	
61	PRIOR APPLICATION NUMBER:	60/088030	
62	PRIOR FILING DATE:	1998-06-04	
63	PRIOR APPLICATION NUMBER:	60/088033	
64	PRIOR FILING DATE:	1998-06-04	
65	PRIOR APPLICATION NUMBER:	60/088326	
66	PRIOR FILING DATE:	1998-06-04	
67	PRIOR APPLICATION NUMBER:	60/088167	
68	PRIOR FILING DATE:	1998-06-05	
69	PRIOR APPLICATION NUMBER:	60/088202	
70	PRIOR FILING DATE:	1998-06-05	
71	PRIOR APPLICATION NUMBER:	60/088212	
72	PRIOR FILING DATE:	1998-06-05	
73	PRIOR APPLICATION NUMBER:	60/088217	

; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24

; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MASLGQILFWSIISIIILAGATALLIGFISGRHSITVTTVASAGNIGEDGILSCTFEP	60
Db	1	MASLGQILFWSIISIIILAGATALLIGFISGRHSITVTTVASAGNIGEDGILSCTFEP	60
Qy	61	DIKLSDIVIQLWKEGVLGVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV	120
Db	61	DIKLSDIVIQLWKEGVLGVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV	120
Qy	121	QLTDAITYKCYIITSKGKNANLEYKTGAFSPMEVNVVDYNASSETLRCEAPRFPPTVV	180
Db	121	QLTDAITYKCYIITSKGKNANLEYKTGAFSPMEVNVVDYNASSETLRCEAPRFPPTVV	180
Qy	181	WASQVDQGANFSEVSNVTSFELNSENVTMKVSVLYNVNTNNTYSCTMIENDIAKATGDIKV	240
Db	181	WASQVDQGANFSEVSNVTSFELNSENVTMKVSVLYNVNTNNTYSCTMIENDIAKATGDIKV	240
Qy	241	TESEIKRRSHLQLNLSKASLCVSSFFAISWALLPLSPYLMK	282
Db	241	TESEIKRRSHLQLNLSKASLCVSSFFAISWALLPLSPYLMK	282

RESULT 10
US-09-884-441-393
; Sequence 393, Application US/09884441


```

; Patent No. US20020119158A1
; GENERAL INFORMATION:
; APPLICANT: Algate, Paul A.
; APPLICANT: Carter, Darriack
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C7
; CURRENT APPLICATION NUMBER: US/09/884,441
; CURRENT FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 489
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 393
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-884-441-393

Query Match      100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MASIGQLFWGIIISIIILAGAIALLIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db      1 MASIGQLFWGIIISIIILAGAIALLIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy      61 DIKLSDIVIOWLKEGVGLVHFEKKGDELSEODEMFRGRTAVFADQVIVGNASLRKNV 120
Db      61 DIKLSDIVIOWLKEGVGLVHFEKKGDELSEODEMFRGRTAVFADQVIVGNASLRKNV 120

Qy      121 QLTDAQTYKCVIITSKKGKGNANLEYKTCGAFSMPEVNVVDYNASSETLRCEAPRWFPOPTVV 180
Db      121 QLTDAQTYKCVIITSKKGKGNANLEYKTCGAFSMPEVNVVDYNASSETLRCEAPRWFPOPTVV 180

Qy      181 WASQVDQANFSEVNSFTSELSNVTKKVSIVYVNTTNTYSCMIENDIAKATGDIKV 240
Db      181 WASQVDQANFSEVNSFTSELSNVTKKVSIVYVNTTNTYSCMIENDIAKATGDIKV 240

Qy      241 TESIKRSHQLLNKSKASLCVSSFFAISWALLPLSPYMLK 282
Db      241 TESIKRSHQLLNKSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 11
US-09-989-732-291
; Sequence 291, Application US/09989732
; Patent No. US20020123463A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C57
; CURRENT APPLICATION NUMBER: US/09/989,732
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
```

;
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695

;
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASLGQILFWSIIIIILAGATAIIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASLGQILFWSIIIIILAGATAIIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy 61 DIKLSDIVIOWLKEGVLGVHEFKGKDELSEQDEMPRGRTAVFADQVIVGNASRLKNV 120
Db 61 DIKLSDIVIOWLKEGVLGVHEFKGKDELSEQDEMPRGRTAVFADQVIVGNASRLKNV 120

Qy 121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMEPVNDYNASSETLCEAPRWPQPTVV 180
Db 121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMEPVNDYNASSETLCEAPRWPQPTVV 180

Qy 181 WASQVDOGANFSEVSNTSFELNSENVTMKVSVLYNVNTINNTYSCTMIENDIAKATGDIKV 240
Db 181 WASQVDOGANFSEVSNTSFELNSENVTMKVSVLYNVNTINNTYSCTMIENDIAKATGDIKV 240

Qy 241 TESEIKRRSHLQLLNKSKASLCVSSFFAISWALLPLSPYMLK 282
Db 241 TESEIKRRSHLQLLNKSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 12

US-09-991-073-291
; Sequence 291, Application US/09991073
; Patent No. US2002012756A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C15
CURRENT APPLICATION NUMBER: US/09/991.073
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24

1	PRIOR APPLICATION NUMBER: 60/088555	
2	PRIOR FILING DATE: 1998-06-09	
3	PRIOR APPLICATION NUMBER: 60/088734	
4	PRIOR FILING DATE: 1998-06-10	
5	PRIOR APPLICATION NUMBER: 60/088738	
6	PRIOR FILING DATE: 1998-06-10	
7	PRIOR APPLICATION NUMBER: 60/088742	
8	PRIOR FILING DATE: 1998-06-10	
9	PRIOR APPLICATION NUMBER: 60/088810	
10	PRIOR FILING DATE: 1998-06-10	
11	PRIOR APPLICATION NUMBER: 60/088824	
12	PRIOR FILING DATE: 1998-06-10	
13	PRIOR APPLICATION NUMBER: 60/088826	
14	PRIOR FILING DATE: 1998-06-10	
15	PRIOR APPLICATION NUMBER: 60/088858	
16	PRIOR FILING DATE: 1998-06-11	
17	PRIOR APPLICATION NUMBER: 60/088861	
18	PRIOR FILING DATE: 1998-06-11	
19	PRIOR APPLICATION NUMBER: 60/088876	
20	PRIOR FILING DATE: 1998-06-11	
21	PRIOR APPLICATION NUMBER: 60/089105	
22	PRIOR FILING DATE: 1998-06-12	
23	PRIOR APPLICATION NUMBER: 60/089440	
24	PRIOR FILING DATE: 1998-06-16	
25	PRIOR APPLICATION NUMBER: 60/089532	
26	PRIOR FILING DATE: 1998-06-17	
27	PRIOR APPLICATION NUMBER: 60/089538	
28	PRIOR FILING DATE: 1998-06-17	
29	PRIOR APPLICATION NUMBER: 60/089598	
30	PRIOR FILING DATE: 1998-06-17	
31	PRIOR APPLICATION NUMBER: 60/089599	
32	PRIOR FILING DATE: 1998-06-17	
33	PRIOR APPLICATION NUMBER: 60/089600	
34	PRIOR FILING DATE: 1998-06-17	
35	PRIOR APPLICATION NUMBER: 60/089653	
36	PRIOR FILING DATE: 1998-06-17	
37	PRIOR APPLICATION NUMBER: 60/089801	
38	PRIOR FILING DATE: 1998-06-18	
39	PRIOR APPLICATION NUMBER: 60/089907	
40	PRIOR FILING DATE: 1998-06-18	
41	PRIOR APPLICATION NUMBER: 60/089908	
42	PRIOR FILING DATE: 1998-06-18	
43	PRIOR APPLICATION NUMBER: 60/089947	
44	PRIOR FILING DATE: 1998-06-19	
45	PRIOR APPLICATION NUMBER: 60/089948	
46	PRIOR FILING DATE: 1998-06-19	
47	PRIOR APPLICATION NUMBER: 60/089952	
48	PRIOR FILING DATE: 1998-06-19	
49	PRIOR APPLICATION NUMBER: 60/090246	
50	PRIOR FILING DATE: 1998-06-22	
51	PRIOR APPLICATION NUMBER: 60/090252	
52	PRIOR FILING DATE: 1998-06-22	
53	PRIOR APPLICATION NUMBER: 60/090254	
54	PRIOR FILING DATE: 1998-06-22	
55	PRIOR APPLICATION NUMBER: 60/090349	
56	PRIOR FILING DATE: 1998-06-23	
57	PRIOR APPLICATION NUMBER: 60/090355	
58	PRIOR FILING DATE: 1998-06-23	
59	PRIOR APPLICATION NUMBER: 60/090429	
60	PRIOR FILING DATE: 1998-06-24	
61	PRIOR APPLICATION NUMBER: 60/090431	
62	PRIOR FILING DATE: 1998-06-24	
63	PRIOR APPLICATION NUMBER: 60/090435	
64	PRIOR FILING DATE: 1998-06-24	
65	PRIOR APPLICATION NUMBER: 60/090444	
66	PRIOR FILING DATE: 1998-06-24	
67	PRIOR APPLICATION NUMBER: 60/090445	
68	PRIOR FILING DATE: 1998-06-24	
69	PRIOR APPLICATION NUMBER: 60/090472	

;	PRIOR FILING DATE:	1998-06-24	
;	PRIOR APPLICATION NUMBER:	60/090535	
;	PRIOR FILING DATE:	1998-06-24	
;	PRIOR APPLICATION NUMBER:	60/090540	
;	PRIOR FILING DATE:	1998-06-24	
;	PRIOR APPLICATION NUMBER:	60/090542	
;	PRIOR FILING DATE:	1998-06-24	
;	PRIOR APPLICATION NUMBER:	60/090557	
;	PRIOR FILING DATE:	1998-06-24	
;	PRIOR APPLICATION NUMBER:	60/090676	
;	PRIOR FILING DATE:	1998-06-25	
;	PRIOR APPLICATION NUMBER:	60/090678	
;	PRIOR FILING DATE:	1998-06-25	
;	PRIOR APPLICATION NUMBER:	60/090690	
;	PRIOR FILING DATE:	1998-06-25	
;	PRIOR APPLICATION NUMBER:	60/090694	
;	PRIOR FILING DATE:	1998-06-25	
;	PRIOR APPLICATION NUMBER:	60/090695	
;	PRIOR FILING DATE:	1998-06-25	
;	PRIOR APPLICATION NUMBER:	60/090696	
;	PRIOR FILING DATE:	1998-06-25	
;	PRIOR APPLICATION NUMBER:	60/090862	
;	PRIOR FILING DATE:	1998-06-26	
;	PRIOR APPLICATION NUMBER:	60/090863	
;	PRIOR FILING DATE:	1998-06-26	
;	PRIOR APPLICATION NUMBER:	60/091360	
;	PRIOR FILING DATE:	1998-07-01	
;	PRIOR APPLICATION NUMBER:	60/091478	
;	PRIOR FILING DATE:	1998-07-02	
;	PRIOR APPLICATION NUMBER:	60/091544	
;	PRIOR FILING DATE:	1998-07-01	
;	PRIOR APPLICATION NUMBER:	60/091519	
;	PRIOR FILING DATE:	1998-07-02	
;	PRIOR APPLICATION NUMBER:	60/091626	
;	PRIOR FILING DATE:	1998-07-02	
;	PRIOR APPLICATION NUMBER:	60/091633	
;	PRIOR FILING DATE:	1998-07-02	
;	PRIOR APPLICATION NUMBER:	60/091978	
;	PRIOR FILING DATE:	1998-07-07	
;	PRIOR APPLICATION NUMBER:	60/091982	
;	PRIOR FILING DATE:	1998-07-07	
;	PRIOR APPLICATION NUMBER:	60/092182	
;	PRIOR FILING DATE:	1998-07-09	

Query Match
100.0%; Score 1431; DB 9; Length 282;

Query Match	100.0%;	Score 1431; DB 9;
Best Local Similarity	100.0%;	Pred. No. 2.7e-112;

1	Qy	MASIGQILFWSIISIIIIILAGAIALIIIGFISGRHSITVTTVASAGNIGEDGIIISCTPEP	60
1	Db	MASIGQILFWSIISIIIIILAGAIALIIIGFISGRHSITVTTVASAGNIGEDGIIISCTPEP	60
61	Qy	DIKLSDIVIOWLKEGVGLVHEPKEGKDELSEQDEMPGRGTAVPADQVIVGNASIRLKNV	120
61	Db	DIKLSDIVIOWLKEGVGLVHEPKEGKDELSEQDEMPGRGTAVPADQVIVGNASIRLKNV	120
121	Qy	QLTDAGTYKCYIIITSKKGKANLEYKTGAFSMPEVNVVDYNASSTLRCEAPRWPFPQTVV	180
121	Db	QLTDAGTYKCYIIITSKKGKANLEYKTGAFSMPEVNVVDYNASSTLRCEAPRWPFPQTVV	180
181	Qy	WASQVDOGANFSEVSNITSFELNSENVTMKVSVLYNYVTINNTYSCTMIENDIAKATGDIKV	240
181	Db	WASQVDOGANFSEVSNITSFELNSENVTMKVSVLYNYVTINNTYSCTMIENDIAKATGDIKV	240
241	Qy	TESEIKRRSHLOLLNKSASLCVSSFFAISWALLPLSPYMLK	282
241	Db	TESEIKRRSHLOLLNKSASLCVSSFFAISWALLPLSPYMLK	282

RESULT 14

US-09-991-163-291
; Sequence 291, Application US/09991163
; Patent No. US20020132253A1

GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C17
CURRENT FILING DATE: 2001-11-14
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/052250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088555
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24

1 PRIOR APPLICATION NUMBER: 60/090431
2 PRIOR FILING DATE: 1998-06-24
3 PRIOR APPLICATION NUMBER: 60/090435
4 PRIOR FILING DATE: 1998-06-24
5 PRIOR APPLICATION NUMBER: 60/090444
6 PRIOR FILING DATE: 1998-06-24
7 PRIOR APPLICATION NUMBER: 60/090445
8 PRIOR FILING DATE: 1998-06-24
9 PRIOR APPLICATION NUMBER: 60/090472
10 PRIOR FILING DATE: 1998-06-24
11 PRIOR APPLICATION NUMBER: 60/090535
12 PRIOR FILING DATE: 1998-06-24
13 PRIOR APPLICATION NUMBER: 60/090540
14 PRIOR FILING DATE: 1998-06-24
15 PRIOR APPLICATION NUMBER: 60/090542
16 PRIOR FILING DATE: 1998-06-24
17 PRIOR APPLICATION NUMBER: 60/090557
18 PRIOR FILING DATE: 1998-06-24
19 PRIOR APPLICATION NUMBER: 60/090676
20 PRIOR FILING DATE: 1998-06-25
21 PRIOR APPLICATION NUMBER: 60/090678
22 PRIOR FILING DATE: 1998-06-25
23 PRIOR APPLICATION NUMBER: 60/090690
24 PRIOR FILING DATE: 1998-06-25
25 PRIOR APPLICATION NUMBER: 60/090694
26 PRIOR FILING DATE: 1998-06-25
27 PRIOR APPLICATION NUMBER: 60/090695
28 PRIOR FILING DATE: 1998-06-25
29 PRIOR APPLICATION NUMBER: 60/090696
30 PRIOR FILING DATE: 1998-06-25
31 PRIOR APPLICATION NUMBER: 60/090862
32 PRIOR FILING DATE: 1998-06-26
33 PRIOR APPLICATION NUMBER: 60/090863
34 PRIOR FILING DATE: 1998-06-26
35 PRIOR APPLICATION NUMBER: 60/091360
36 PRIOR FILING DATE: 1998-07-01
37 PRIOR APPLICATION NUMBER: 60/091478
38 PRIOR FILING DATE: 1998-07-02
39 PRIOR APPLICATION NUMBER: 60/091544
40 PRIOR FILING DATE: 1998-07-01
41 PRIOR APPLICATION NUMBER: 60/091519
42 PRIOR FILING DATE: 1998-07-02
43 PRIOR APPLICATION NUMBER: 60/091626
44 PRIOR FILING DATE: 1998-07-02
45 PRIOR APPLICATION NUMBER: 60/091633
46 PRIOR FILING DATE: 1998-07-02
47 PRIOR APPLICATION NUMBER: 60/091978
48 PRIOR FILING DATE: 1998-07-07
49 PRIOR APPLICATION NUMBER: 60/091982
50 PRIOR FILING DATE: 1998-07-07
51 PRIOR APPLICATION NUMBER: 60/092182
52 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MASIGQLFWSIIIIILAGAIALLIGFGISGRHSITVTTVASAGNIGEDGILSCFEP 60
Db 1 MASIGQLFWSIIIIILAGAIALLIGFGISGRHSITVTTVASAGNIGEDGILSCFEP 60
Qy 61 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120
Db 61 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120
Qy 121 QLTDAITYKYIITSKGGNANLBYKTCGAFSMPVNVVDYNASSETLRCCEAPRPPQTVV 180
Db 121 QLTDAITYKYIITSKGGNANLBYKTCGAFSMPVNVVDYNASSETLRCCEAPRPPQTVV 180
Qy 181 WASOVDOGANFSEVSNTSFELNSENVTKVSVLYVNTYNTYSCMIENDIAKATGDIKV 240
Db 181 WASOVDOGANFSEVSNTSFELNSENVTKVSVLYVNTYNTYSCMIENDIAKATGDIKV 240

Qy 241 TSEIKRSHLOLLNSKASLCVSSFFAISWALLPLSPYMLK 282
Db 241 TSEIKRSHLOLLNSKASLCVSSFFAISWALLPLSPYMLK 282
RESULT 15
US-09-993-604-291
; Sequence 291, Application US/09993604
; Patent No. US20020137075A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: KJavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730FIC25
; CURRENT APPLICATION NUMBER: US/09/993,604
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04

Qy	121	QLTDAGTYKCYIIITSGKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRWFPPTVV	180
Db	121	QLTDAGTYKCYIIITSGKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRWFPPTVV	180
Qy	181	WASOVDOGANFSEVSNSTFELNSENVTKVSVLVYNTIINNTYSCMIENDIAKATGDIKV	240
Db	181	WASOVDOGANFSEVSNSTFELNSENVTKVSVLVYNTIINNTYSCMIENDIAKATGDIKV	240
Qy	241	TESEIKRRSHLQLLNSKASLCVSSFFFAISWALLPLSPYLMK	282
Db	241	TESEIKRRSHLQLLNSKASLCVSSFFFAISWALLPLSPYLMK	282

Search completed: April 19, 2005, 07:30:09
Job time : 492 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 19, 2005, 01:25:19 ; Search time 90 seconds
(without alignments)
1211.849 Million cell updates/sec

Title: US-10-773-715-6

Perfect score: 1431

Sequence: 1 MASLGQLFWSIIIIIIIA.....SSPFAISWALLPLSPYMLK 282

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 2105692 seqs, 386760381 residues

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : A Geneseq_16Dec04:*

- 1: Geneseqp1980s:*
- 2: Geneseqp1990s:*
- 3: Geneseqp2000s:*
- 4: Geneseqp2001s:*
- 5: Geneseqp2002s:*
- 6: Geneseqp2003as:*
- 7: Geneseqp2003bs:*
- 8: Geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1431	100.0	282	3	AAY66719 Membrane-
2	1431	100.0	282	3	AAB12557 Human ova
3	1431	100.0	282	4	AAB12557 Human ova
4	1431	100.0	282	4	AAB87555 Human PRO
5	1431	100.0	282	4	AAB92024 Human ova
6	1431	100.0	282	4	AAB52242 Human PRO
7	1431	100.0	282	5	AAB20311 Human B7-
8	1431	100.0	282	5	ABG96445 Human ova
9	1431	100.0	282	5	AAB77766 Tumour as
10	1431	100.0	282	5	ABG95880 Human sec
11	1431	100.0	282	5	AAB76536 Tumour-as
12	1431	100.0	282	5	ABP30901 OBE prote
13	1431	100.0	282	5	ABP76274 Breast BS
14	1431	100.0	282	5	AAE18336 Human B7-
15	1431	100.0	282	5	ABB09879 Amino aci
16	1431	100.0	282	5	AAE19013 Human B7-
17	1431	100.0	282	6	ABU58508 Human PRO
18	1431	100.0	282	6	ABU86056 Novel hum
19	1431	100.0	282	6	ABU84371 Human sec
20	1431	100.0	282	6	ABR66245 Human sec
21	1431	100.0	282	6	ABR65635 Human sec
22	1431	100.0	282	6	ABU99575 Human sec
23	1431	100.0	282	6	ABU58057 Human PRO
24	1431	100.0	282	6	ABU59135 Novel hum
25	1431	100.0	282	6	ABU82647 Human sec

26	1431	100.0	282	6	ABU82814	Human PRO
27	1431	100.0	282	6	ABU89935	Novel hum
28	1431	100.0	282	6	ABR68184	Human sec
29	1431	100.0	282	6	ABU60566	Human sec
30	1431	100.0	282	6	ABU96237	Novel hum
31	1431	100.0	282	6	ABU92668	Human sec
32	1431	100.0	282	6	ABO08745	Human sec
33	1431	100.0	282	6	ABO02797	Human sec
34	1431	100.0	282	6	ABR74951	Human sec
35	1431	100.0	282	6	ABR94713	Human sec
36	1431	100.0	282	6	ABU13948	Human PRO
37	1431	100.0	282	6	ABU85686	Human PRO
38	1431	100.0	282	6	ABU98846	Novel hum
39	1431	100.0	282	6	ABU98061	Novel hum
40	1431	100.0	282	6	ABU91767	Novel hum
41	1431	100.0	282	6	ABU89460	Human PRO
42	1431	100.0	282	6	ABU86301	Human sec
43	1431	100.0	282	6	ABU67514	Human sec
44	1431	100.0	282	6	ABU80542	Human PRO
45	1431	100.0	282	6	ABU72533	Novel hum

ALIGNMENTS

RESULT 1

AAY66719
ID AAY66719 standard; protein; 282 AA.
XX
AC AAY66719;
XX
DT 05-APR-2000 (first entry)
XX
DE Membrane-bound protein PRO1291.
XX
KW Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
KW pharmaceutical; receptor immunoadhesin; gene mapping.
XX
OS Homo sapiens.
XX
PN WO9963088-A2.
XX
PD 09-DEC-1999.
XX
PF 02-JUN-1999; 99WO-US012252.
XX
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088730P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088741P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.

QY 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
 Db 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
 QY 121 QLTAGTYKCYIITSKGGNANLEYKTGAFSMPEVNVVDYNASSETLRCCEAPRWPQPTVV 180
 Db 121 QLTAGTYKCYIITSKGGNANLEYKTGAFSMPEVNVVDYNASSETLRCCEAPRWPQPTVV 180
 QY 181 WASQVDQGANFSEVSNSTSEFELNSENVTMKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
 Db 181 WASQVDQGANFSEVSNSTSEFELNSENVTMKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
 QY 241 TESIKRSHLQLLNKASLCVSSFFAISWALLPLSPYMLK 282
 Db 241 TESIKRSHLQLLNKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 2

AAB12557

ID AAB12557 standard; protein; 282 AA.

XX AC AAB12557;

DT 07-NOV-2000 (first entry)

XX Human ovarian carcinoma antigen O8E protein SEQ ID NO:393.

XX DE Human; ovarian carcinoma; ovarian cancer; therapy; diagnosis;
 KW tumour antigen; identification; cytostatic; gene therapy; vaccine.

XX OS Homo sapiens.

XX PN WO200036107-A2.

XX PD 22-JUN-2000.

XX PF 17-DEC-1999; 99WO-US030270.

XX PR 17-DEC-1998; 98US-00215681.

XX PR 17-DEC-1998; 98US-00216003.

XX PR 23-JUN-1999; 99US-00338933.

XX PR 24-SEP-1999; 99US-00404879.

XX PA (CORI-) CORIXA CORP.

XX PI Mitcham JL, King GE, Algate PA, Frudakis TN;

XX DR WPI; 2000-431589/37.

XX Immunogenic portion of an ovarian carcinoma protein and the nucleic acid
 PT encoding it, useful for the diagnosis, prevention and treatment of
 PT cancer, preferably ovarian cancer.

XX FS Example 2; Page 207; 299pp; English.

XX The present invention describes an isolated polypeptide comprising an
 CC immunogenic portion of an ovarian carcinoma protein (or its variants).
 CC Ovarian carcinoma proteins, and polynucleotides encoding them, have
 CC cytosolic activity and can be used in gene therapy and vaccines. Ovarian
 CC carcinoma polypeptides, nucleic acids, antibodies and vaccines are useful
 CC for the prevention, diagnosis and treatment of cancer, preferably ovarian
 CC cancer. AAA69691 to AAA70077 and AAB12552 to AAB12557 represent human
 CC ovarian carcinoma polynucleotides and proteins used in the
 CC exemplification of the present invention

XX SQ Sequence 282 AA;

Query Match 100.0%; Score 1431; DB 3; Length 282;
 Best Local Similarity 100.0%; Pred. No. 5,6e-118;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MASIGQILFWSIIIIILAGAIALLIGFGISGRHSITVTTVASAGNIGEDGILSCCTPEP 60

Db 1 MASIGQILFWSIIIIILAGAIALLIGFGISGRHSITVTTVASAGNIGEDGILSCCTPEP 60
 QY 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
 Db 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
 QY 121 QLTAGTYKCYIITSKGGNANLEYKTGAFSMPEVNVVDYNASSETLRCCEAPRWPQPTVV 180
 Db 121 QLTAGTYKCYIITSKGGNANLEYKTGAFSMPEVNVVDYNASSETLRCCEAPRWPQPTVV 180
 QY 181 WASQVDQGANFSEVSNSTSEFELNSENVTMKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
 Db 181 WASQVDQGANFSEVSNSTSEFELNSENVTMKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
 QY 241 TESIKRSHLQLLNKASLCVSSFFAISWALLPLSPYMLK 282
 Db 241 TESIKRSHLQLLNKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 3

AAU29132

ID AAU29132 standard; protein; 282 AA.

XX AC AAU29132;

XX DT 18-DEC-2001 (first entry)

XX Human PRO polypeptide sequence #109.

XX KW PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;
 KW dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
 KW blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
 KW adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.

XX OS Homo sapiens.

XX PN WO200168848-A2.

XX PD 20-SEP-2001.

XX PR 28-FEB-2001; 2001WO-US006520.

XX PR 01-MAR-2000; 2000WO-US005601.

XX PR 02-MAR-2000; 2000WO-US005841.

XX PR 03-MAR-2000; 2000US-0187202P.

XX PR 06-MAR-2000; 2000US-0186968P.

XX PR 14-MAR-2000; 2000US-0189320P.

XX PR 14-MAR-2000; 2000US-0189328P.

XX PR 15-MAR-2000; 2000WO-US006884.

XX PR 21-MAR-2000; 2000US-0190828P.

XX PR 21-MAR-2000; 2000US-0191007P.

XX PR 21-MAR-2000; 2000US-0191048P.

XX PR 21-MAR-2000; 2000US-0191314P.

XX PR 28-MAR-2000; 2000US-0192655P.

XX PR 29-MAR-2000; 2000US-0193032P.

XX PR 29-MAR-2000; 2000US-0193053P.

XX PR 30-MAR-2000; 2000WO-US008439.

XX PR 04-APR-2000; 2000US-0194449P.

XX PR 04-APR-2000; 2000US-0194647P.

XX PR 11-APR-2000; 2000US-0195975P.

XX PR 11-APR-2000; 2000US-0196000P.

XX PR 11-APR-2000; 2000US-0196187P.

XX PR 11-APR-2000; 2000US-0196690P.

XX PR 11-APR-2000; 2000US-0196820P.

XX PR 18-APR-2000; 2000US-0198121P.

XX PR 18-APR-2000; 2000US-0198585P.

XX PR 25-APR-2000; 2000US-0199397P.

XX PR 25-APR-2000; 2000US-0199550P.

XX PR 25-APR-2000; 2000US-0199654P.

XX PR 03-MAY-2000; 2000US-0201516P.

XX PR 17-MAY-2000; 2000WO-US013705.

XX PR 22-MAY-2000; 2000WO-US014042.

PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 05-JUN-2000; 2000US-0209832P.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 22-AUG-2000; 2000US-00644848.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000WO-US034956.
 XX (GETH) GENENTECH INC.
 PA Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
 XX Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
 PI WPI; 2001-602746/68.
 DR N-PSDB; AAS46033.
 XX Novel nucleic acids encoding PRO polypeptides, used to diagnose the
 PT presence of tumors, such as prostate and breast tumors, in mammals and to
 PT screen for modulators of the compounds.
 XX Claim 11; Fig 218; 774pp; English.
 PS Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.
 XX The PRO polypeptides and their associated nucleic acids can be used to
 CC detect the presence of a tumour in a mammal by comparing the level of
 CC expression of a PRO polypeptide in a test sample of cells from the animal
 CC and a control sample of normal cells, whereby a higher level of
 CC expression in the test sample indicates the presence of a tumour in the
 CC mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats
 CC and rabbits but are preferably human. The polypeptides can be used to
 CC stimulate tumour necrosis factor (TNF) alpha release from human blood,
 CC when contacted with it. A specific polypeptide can be used to stimulate
 CC the proliferation or differentiation of chondrocyte cells. The PRO
 CC proteins can be used to determine the presence of tumours and also
 CC susceptibility to tumour development, particularly adrenal, lung, colon,
 CC breast, prostate, rectal, cervical, or liver tumours, in mammalian
 CC subjects. The oligonucleotide probes specific for the PRO nucleic acids
 CC can be used for genetic analysis of individuals with genetic disorders
 XX Sequence 282 AA;
 SQ
 Query Match 100.0%; Score 1431; DB 4; Length 282;
 Best Local Similarity 100.0%; Pred. No. 5.6e-118;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MASLGQILFWSIIISIIILAGAIALLIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
 DB 1 MASLGQILFWSIIISIIILAGAIALLIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
 QY 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
 DB 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
 QY 121 QLTDAGTYKCYIITSKGNANLEYKTGAFSPMEVNVVDYNASSETLRCEAPRFPQPTVV 180
 DB 121 QLTDAGTYKCYIITSKGNANLEYKTGAFSPMEVNVVDYNASSETLRCEAPRFPQPTVV 180
 QY 181 WASQVDQGANFSEVNTSFLNSNENVTMKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
 DB 181 WASQVDQGANFSEVNTSFLNSNENVTMKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
 QY 241 TESEIKRSHLQLLNKASLCVSSFFAISWALLPLSPYMLK 282
 DB 241 TESEIKRSHLQLLNKASLCVSSFFAISWALLPLSPYMLK 282
 RESULT 4
 AAB87555
 ID AAB87555 standard; protein; 282 AA.
 XX
 AC AAB87555;

XX 15-MAY-2001 (first entry)
 DT Human PRO1291.
 DE Human; PRO protein; mapping.
 KW Homo sapiens.
 OS WO200116318-A2.
 XX 08-MAR-2001.
 PD 24-AUG-2000; 2000WO-US023328.
 PF 01-SEP-1999; 99WO-US020111.
 XX 15-SEP-1999; 99WO-US021090.
 PR 07-DEC-1999; 99US-0169495P.
 PR 09-DEC-1999; 99US-0170262P.
 PR 11-JAN-2000; 2000US-0175481P.
 PR 18-FEB-2000; 2000WO-US0004341.
 PR 22-FEB-2000; 2000WO-US0004342.
 PR 01-MAR-2000; 2000WO-US0005601.
 PR 03-MAR-2000; 2000US-0187202P.
 PR 21-MAR-2000; 2000US-0191007P.
 PR 30-MAR-2000; 2000WO-US0008439.
 PR 25-APR-2000; 2000US-0199397P.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 05-JUN-2000; 2000US-0209832P.
 XX (GETH) GENENTECH INC.
 PA Baton DL, Filvaroff B, Gerritsen ME, Goddard A, Godowski PJ;
 PI Grimaldi CJ, Gurney AL, Watanabe CK, Wood WI;
 PI WPI; 2001-183260/18.
 XX N-PSDB; AAF92087.
 PT Eighty four nucleic acids encoding PRO polypeptides, useful in molecular
 PT biology, including use as hybridization probes, and in chromosome and
 PT gene mapping.
 XX Claim 12; Fig 60; 278pp; English.
 PS The present sequence is a human PRO polypeptide (secreted and
 XX transmembrane). The PRO protein, and PRO agonists, PRO antagonists or
 CC anti-PRO antibodies are useful for preparation of a medicament useful in
 CC the treatment of a condition which is responsive to the PRO protein,
 CC agonists, antagonists or anti-PRO antibodies. The PRO protein may also be
 CC employed as molecular weight markers for protein electrophoresis. The PRO
 CC coding sequence has applications in molecular biology, including use as
 CC hybridisation probes, and in chromosome and gene mapping
 XX Sequence 282 AA;
 SQ
 Query Match 100.0%; Score 1431; DB 4; Length 282;
 Best Local Similarity 100.0%; Pred. No. 5.6e-118;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MASLGQILFWSIIISIIILAGAIALLIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
 DB 1 MASLGQILFWSIIISIIILAGAIALLIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
 QY 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
 DB 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
 QY 121 QLTDAGTYKCYIITSKGNANLEYKTGAFSPMEVNVVDYNASSETLRCEAPRFPQPTVV 180
 DB 121 QLTDAGTYKCYIITSKGNANLEYKTGAFSPMEVNVVDYNASSETLRCEAPRFPQPTVV 180
 QY 181 WASQVDQGANFSEVNTSFLNSNENVTMKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

```
|||||
181 WASQVDOGANPSEVSNTSFELNSENVTKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
241 TESEIKERSHQLNLNSKASLCVSSFFAISWALLPLSPYMLK 282
241 TESEIKERSHQLNLNSKASLCVSSFFAISWALLPLSPYMLK 282
241 TESEIKERSHQLNLNSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 5
AAB99204
ID AAB99204 standard; protein; 282 AA.
AC AAB99204;
DT 04-SEP-2001 (first entry)
DE Human ovarian tumour-derived antigen O8E #1.
DE Cytostatic; human; breast tumour protein; breast cancer; ovarian tumour;
DE antigen; O8E.
DE Homo sapiens.
DE WO200140269-A2.
DE 07-JUN-2001.
DE 29-NOV-2000; 2000WO-US032520.
DE 30-NOV-1999; 99US-00451651.
DE 22-FEB-2000; 2000US-00510862.
DE 10-MAR-2000; 2000US-00523586.
DE 07-APR-2000; 2000US-00545068.
DE 15-MAY-2000; 2000US-00571025.
DE (CORI-) CORIXA CORP.
DE Dillon DC, Day CH, Jiang Y, Houghton RL, Mitcham JL, Wang A;
DE WPI; 2001-356154/37.
DE N-PSDB; AAH55681.
DE Breast tumor polypeptides and the nucleic acids that encode them, useful
DE for the prevention, diagnosis and treatment of breast cancer.
DE Example 3; Page 190; 221pp; English.
DE The present invention relates to human breast tumour protein coding
DE sequences (see AAH55479-AAH55513, AAH55517-AAH55679 and AAH55682-
DE AAH55762). The breast tumour protein DNA sequences may be used in the
DE prevention, diagnosis and treatment of diseases associated with
DE inappropriate expression of the breast tumour protein e.g. breast cancer.
DE The present sequence is a human ovarian tumour-derived antigen, which was
DE used in an example from the present invention
DE Sequence 282 AA;
DE
DE Query Match 100.0%; Score 1431; DB 4; Length 282;
DE Best Local Similarity 100.0%; Pred. No. 5.6e-118;
DE Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DE
DE QY 1 MASLGQLFWSIIISIIILAGAIALIIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
DE DB 1 MASLGQLFWSIIISIIILAGAIALIIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
DE
DE QY 61 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMPRGRTAVFADQVIVGNASRLKNV 120
DE DB 61 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMPRGRTAVFADQVIVGNASRLKNV 120
DE
DE QY 121 QLTDAGTYKCYIITSKGGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRFPQPTVV 180
DE DB 121 QLTDAGTYKCYIITSKGGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRFPQPTVV 180

|||||
181 WASQVDOGANPSEVSNTSFELNSENVTKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
241 TESEIKERSHQLNLNSKASLCVSSFFAISWALLPLSPYMLK 282
241 TESEIKERSHQLNLNSKASLCVSSFFAISWALLPLSPYMLK 282
241 TESEIKERSHQLNLNSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 6
AAB65242
ID AAB65242 standard; protein; 282 AA.
AC AAB65242;
DT 02-APR-2001 (first entry)
DE Human PRO1291 (UNQ659) protein sequence SEQ ID NO:291.
DE Human; secreted and transmembrane protein; PRO; cytotstatic; cell death;
DE cancer; chromosomal mapping; gene mapping; tissue typing;
DE diagnostic assay.
DE Homo sapiens.
DE WO2000073454-A1.
DE 07-DEC-2000.
DE 30-MAR-2000; 2000WO-US008439.
DE 02-JUN-1999; 99WO-US012252.
DE 23-JUN-1999; 99US-0141037P.
DE 07-JUL-1999; 99US-0143048P.
DE 20-JUL-1999; 99US-0144758P.
DE 26-JUL-1999; 99US-0145698P.
DE 28-JUL-1999; 99US-0146222P.
DE 17-AUG-1999; 99US-0149396P.
DE 15-SEP-1999; 99WO-US021090.
DE 08-OCT-1999; 99WO-US021547.
DE 30-NOV-1999; 99US-0158663P.
DE 01-DEC-1999; 99WO-US028301.
DE 16-DEC-1999; 99WO-US030095.
DE 20-DEC-1999; 99WO-US030911.
DE 05-JAN-2000; 2000WO-US000219.
DE 06-JAN-2000; 2000WO-US000376.
DE 11-FEB-2000; 2000WO-US003565.
DE 18-FEB-2000; 2000WO-US004341.
DE 22-FEB-2000; 2000WO-US004414.
DE 24-FEB-2000; 2000WO-US004914.
DE 24-FEB-2000; 2000WO-US005004.
DE 02-MAR-2000; 2000WO-US005841.
DE 15-MAR-2000; 2000WO-US006884.
DE 20-MAR-2000; 2000WO-US007377.
DE
DE (GETH ) GENENTECH INC.
DE Ashkenazi AJ, Baker KP, Borstein D, Desnoyers L, Eaton DL;
DE Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
DE Grimaldi CJ, Guyre AL, Kijavini IJ, Napier MA, Pan J, Paoni NF;
DE Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
DE Zhang Z;
DE WPI; 2001-032160/04.
DE N-PSDB; AAF44205.
DE PRO polynucleotides used to produce polypeptides used to target bioactive
DE molecules such as toxins, radiolabels or antibodies, to specific cells,
DE to cause targeted cell death.
DE Claim 12; Fig 208; 935pp; English.
```

CC The present invention describes human secreted and transmembrane PRO
 CC proteins. The PRO proteins have cytotstatic activity. The PRO proteins can
 CC be used for targeted delivery of bioactive molecules, such as toxins,
 CC radiolabels or antibodies, that cause cell death. PRO nucleotide
 CC sequences, and their fragments, can be used as hybridisation probes, in
 CC chromosomal and gene mapping, and in the generation of anti-sense RNA and
 CC DNA. They may also be used to produce transgenic animals which are used
 CC to develop and screen therapeutically useful reagents. The PRO nucleotide
 CC and protein sequence can be used for tissue typing and in treating
 CC cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to
 CC AAF44470 represent PCR primers and hybridisation probes used in the
 CC isolation of human PRO sequences. AAF44087 to AAF44269 and AAB65154 to
 CC AAB65300 represent human PRO polynucleotide and protein sequences given
 CC in the exemplification of the present invention
 XX
 SQ Sequence 282 AA;

Query Match 100.0%; Score 1431; DB 4; Length 282;
 Best Local Similarity 100.0%; Pred. No. 5.6e-118;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MASLGQILFWSIIISIIILAGATALLIGFGISGRHSITVTVASAGNIGDGLSCTFEP 60
 DB 1 MASLGQILFWSIIISIIILAGATALLIGFGISGRHSITVTVASAGNIGDGLSCTFEP 60
 QY 61 DIKLSDIVIOWLKEGVLGVHVEFKGKDELSEQDEMFRGTAVFADQVIVGNASRLKNV 120
 DB 61 DIKLSDIVIOWLKEGVLGVHVEFKGKDELSEQDEMFRGTAVFADQVIVGNASRLKNV 120
 QY 121 QLTDAAGTYKCYIITSKGNANLEYKTFGAFSMPENVVDYNASSFTLRCEAPRFPPTVV 180
 DB 121 QLTDAAGTYKCYIITSKGNANLEYKTFGAFSMPENVVDYNASSFTLRCEAPRFPPTVV 180
 QY 181 WASQVDOGANFSEVSNSTFELNSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
 DB 181 WASQVDOGANFSEVSNSTFELNSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
 QY 241 TESEIKRRSHLQLNLSKASLCVSSFFAISWALLPLSPYMLK 282
 DB 241 TESEIKRRSHLQLNLSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 7
 AAE20311
 ID AAE20311 standard; protein; 282 AA.
 AC AAE20311;

XX 18-JUN-2002 (first entry)
 XX Human B7-H8 protein #1.
 XX Human; B7-like protein; inflammation; tissue damage; immune disorder;
 KW Addison's disease; autoimmune haemolytic anaemia; autoimmune thyroiditis;
 KW diabetes mellitus; Crohn's disease; multiple sclerosis; allergy; cancer;
 KW rheumatoid arthritis; cardiovascular disorder; nervous system disorder;
 KW myocardial ischaemia; ulcerative colitis; reproductive system disorder;
 KW Alzheimer's disease; Parkinson's disease; endocrine disorder; hepatitis;
 KW diabetes mellitus; Grave's disease; Paget's disease; liver disorder;
 KW gastrointestinal disorder; irritable bowel syndrome; cerebral anoxia;
 KW epilepsy; gene therapy; B7-H8 protein; chromosome 1.
 XX Homo sapiens.

XX Key Location/Qualifiers
 FH Peptide 1..24
 FT /label= Signal_peptide
 FT Protein 25..282
 FT /note= "Mature B7-H8 protein"

XX WO200202587-A1.

PD 10-JAN-2002.
 XX
 PF 29-JUN-2001; 2001WO-US020917.
 XX
 PR 30-JUN-2000; 2000US-0215135P.
 PR 14-AUG-2000; 2000US-0225266P.
 XX
 PA (HUMA-) HUMAN GENOME SCI INC.
 XX
 PI Fiscella M, Ni J, Ruben SM;
 XX WPI; 2002-257198/30.
 DR N-PSDB; AAD32519.
 XX
 PT Isolated nucleic acids encoding human B7-like polypeptides, useful for
 PT diagnosis and treatment of e.g. inflammation, cancer, immune disorders
 PT such as Addison's disease, and cardiovascular disorders such as
 PT myocardial ischemias.
 XX
 PS Example 1; Fig 1; 493pp; English.

XX The present invention relates to novel human B7-like polypeptides and
 CC polynucleotides encoding such proteins. Sequences of the invention are
 CC used for preventing, treating or ameliorating a medical condition in a
 CC mammalian subject. The polynucleotides and polypeptides are administered
 CC to subjects having a disorder related to B-7 Like polypeptides, such as
 CC inappropriate or excessive inflammation which can lead to tissue damage
 CC or even death, where the inflammation is brought about by the activation
 CC of certain cells in the body e.g. T cells and may involve disorders
 CC related to immune system. The nucleic acids, proteins, antibodies,
 CC agonists and antagonists of the invention are useful in the diagnosis,
 CC treatment and prevention of cancer (e.g. cancers of the adrenal gland,
 CC bone, bone marrow, breast, gastrointestinal tract, liver, urogenital or
 CC lung), immune disorders (e.g., Addison's disease, allergies, autoimmune
 CC haemolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's
 CC disease, multiple sclerosis, rheumatoid arthritis, ulcerative colitis),
 CC cardiovascular disorders (e.g., myocardial ischaemias), nervous system
 CC disorders (Alzheimer's disease, Parkinson's disease), endocrine disorders
 CC (e.g., diabetes mellitus, Grave's disease), reproductive system disorders
 CC (e.g., cryptorchism, Paget's disease), gastrointestinal disorders (e.g.,
 CC dysphagia, irritable bowel syndrome), liver disorders (e.g., hepatitis,
 CC hepatomegaly), neurological diseases (e.g., cerebral anoxia and epilepsy)
 CC and infectious diseases such as viral, bacterial, fungal and parasitic
 CC infections. Sequences of the invention are also used in gene therapy. The
 CC present sequence is human B7-H8 protein. B7-H8 gene is located on
 CC chromosome 1
 XX

SQ Sequence 282 AA;

Query Match 100.0%; Score 1431; DB 5; Length 282;
 Best Local Similarity 100.0%; Pred. No. 5.6e-118;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MASLGQILFWSIIISIIILAGATALLIGFGISGRHSITVTVASAGNIGDGLSCTFEP 60
 DB 1 MASLGQILFWSIIISIIILAGATALLIGFGISGRHSITVTVASAGNIGDGLSCTFEP 60
 QY 61 DIKLSDIVIOWLKEGVLGVHVEFKGKDELSEQDEMFRGTAVFADQVIVGNASRLKNV 120
 DB 61 DIKLSDIVIOWLKEGVLGVHVEFKGKDELSEQDEMFRGTAVFADQVIVGNASRLKNV 120
 QY 121 QLTDAAGTYKCYIITSKGNANLEYKTFGAFSMPENVVDYNASSFTLRCEAPRFPPTVV 180
 DB 121 QLTDAAGTYKCYIITSKGNANLEYKTFGAFSMPENVVDYNASSFTLRCEAPRFPPTVV 180
 QY 181 WASQVDOGANFSEVSNSTFELNSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
 DB 181 WASQVDOGANFSEVSNSTFELNSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
 QY 241 TESEIKRRSHLQLNLSKASLCVSSFFAISWALLPLSPYMLK 282
 DB 241 TESEIKRRSHLQLNLSKASLCVSSFFAISWALLPLSPYMLK 282


```
RESULT 8
ABG96445
ID ABG96445 standard; protein; 282 AA.
XX
XX AC ABG96445;
XX
DT 11-DEC-2002 (first entry)
XX
XX DE Human ovarian cancer marker OV88.
XX
XX KW Human; ovarian cancer; marker; cancer; familial history; brain disorder;
KW central nervous system disorder; bacterial meningitis; viral meningitis;
KW Alzheimer's disease; Parkinson's disease; cerebral oedema; hydrocephalus;
KW brain herniation; inflammation; encephalitis; testicular disorder;
KW nontuberculous granulomatous orchitis; connective tissue disorder;
KW heart disorder; ischaemic heart disease; atherosclerosis; neoplasm;
KW histological type; carcinogenic; ovarian cancer marker.
XX
OS Homo sapiens.
XX
XX PN WO200271928-A2.
XX
XX PD 19-SEP-2002.
XX
XX PF 14-MAR-2002; 2002WO-US007826.
XX
XX PR 14-MAR-2001; 2001US-0276025P.
XX
XX PR 14-MAR-2001; 2001US-0276026P.
XX
XX PR 10-AUG-2001; 2001US-0311732P.
XX
XX PR 19-SEP-2001; 2001US-0323580P.
XX
XX PR 26-SEP-2001; 2001US-0324967P.
XX
XX PR 26-SEP-2001; 2001US-0325102P.
XX
XX PR 26-SEP-2001; 2001US-0325149P.
XX
XX (MILL-) MILLENNIUM PHARM INC.
XX
XX PI Monahan JB, Gannavarapu M, Hoersch S, Kamatkar S, Kovatis SG;
PI Meyers RE, Morrissey MP, Olandt PJ, Sen A, Vieby PO, Mills GB;
PI Baat RC, Lu K, Schmandt RE, Zhao X, Glatt K;
XX
XX WPI; 2002-723277/78.
XX
XX DR N-PSDB; ABS76544.
XX
XX PT Assessing whether a patient is afflicted with ovarian cancer, useful in
XX assessing the stage or progression of the disease, comprises comparing
XX the expression level of a cancer marker in a sample from a patient and
XX from a non cancer patient.
XX
XX PS Disclosure; Page 468-469; 481pp; English.
XX
XX CC The present invention relates to a new method for assessing whether a
XX patient is afflicted with ovarian cancer. The method involves comparing
XX the expression level of a marker in a patient sample and the normal level
XX of expression of the marker in a control non-ovarian cancer sample, where
XX the marker is selected from 363 cancer markers described in the
XX specification. The method of the invention is useful in diagnosing or
XX characterising cancer, in detecting the presence of cancer as early as
XX possible, and the recurrence of ovarian cancer. The method may also be of
XX particular use with patients having an enhanced risk of developing
XX ovarian cancer (e.g. patients having a familial history of ovarian
XX cancer). The cancer markers may be used in the management and treatment
XX of e.g. brain and central nervous system disorders (e.g. bacterial and
XX viral meningitis, Alzheimer's disease or Parkinson's disease), brain
XX disorders (e.g. cerebral oedema, hydrocephalus or brain herniations),
XX inflammations (e.g. bacterial or viral meningitis or encephalitis),
XX testicular disorders (e.g. nontuberculous granulomatous orchitis),
XX connective tissue disorders, or heart disorders (e.g. ischaemic heart
XX disease or atherosclerosis). The compositions and methods may also be
XX used in assessing the histological type of neoplasm associated with
XX ovarian cancer, monitoring the progression of ovarian cancer, determining
XX whether ovarian cancer has metastasized or is likely to metastasize,
XX selecting a composition for inhibiting ovarian cancer, assessing the
```

```
CC ovarian carcinogenic potential of a compound, or inhibiting ovarian
CC cancer or at risk of developing ovarian cancer. The present amino acid
CC sequence represents one of the ovarian cancer markers described in the
CC invention
XX
XX SQ Sequence 282 AA;
XX
XX Query Match 100.0%; Score 1431; DB 5; Length 282;
XX Best Local Similarity 100.0%; Pred. No. 5.6e-118;
XX Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
Qy 1 MASIGQILFWISIIIIILAGAIALLIIFGIGSRHSITVTTVASAGNIGEDGILSCTPEP 60
Dy 1 MASIGQILFWISIIIIILAGAIALLIIFGIGSRHSITVTTVASAGNIGEDGILSCTPEP 60
Qy 61 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
Dy 61 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
Qy 121 QLTDAQTYKCYIITSKGGNANLEYKTGAFSMPENVVDYNASSETLRCEAPRFPQPTVW 180
Dy 121 QLTDAQTYKCYIITSKGGNANLEYKTGAFSMPENVVDYNASSETLRCEAPRFPQPTVW 180
Qy 181 WASQVDOGANFSEVSNSTSPFLNSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
Dy 181 WASQVDOGANFSEVSNSTSPFLNSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
Qy 241 TESEIKRSHLQLNLSKASLCVSSFFAISWALLPLSPYLMK 282
Dy 241 TESEIKRSHLQLNLSKASLCVSSFFAISWALLPLSPYLMK 282
RESULT 9
AAU77766
ID AAU77766 standard; protein; 282 AA.
XX
XX AC AAU77766;
XX
XX DT 05-JUN-2002 (first entry)
XX
XX DE Tumour associated antigenic target polypeptide (TAT) 136.
XX
XX KW Tumour associated antigenic target polypeptide; TAT; cancer;
KW breast cancer; colorectal cancer; lung cancer; ovarian cancer;
KW central nervous system cancer; liver cancer; bladder cancer;
KW pancreatic cancer; cervical cancer; melanoma; leukaemia; TAT136.
XX
XX OS Homo sapiens.
XX
XX FH Key Location/Qualifiers
XX Peptide 1..28
XX Protein /label= Signal_peptide
XX /label= Mature_TAT136
XX Region 52..58
XX /label= N-myristoylation_site
XX Region 112..116
XX /label= N-glycosylation_site
XX Domain 119..123
XX /label= Immunoglobulin_domain
XX Region 126..132
XX /label= N-myristoylation_site
XX Region 160..164
XX /label= N-glycosylation_site
XX Region 188..194
XX /label= N-myristoylation_site
XX Region 190..194
XX /label= N-glycosylation_site
XX Region 196..200
XX /label= N-glycosylation_site
XX Region 205..209
XX /label= N-glycosylation_site
```

FT Region 216..220
 FT /label= N-glycosylation_site
 FT 220..224
 FT /label= N-glycosylation_site
 FT 258..282
 FT /label= Transmembrane_domain
 PN WO200216581-A2.
 XX 28-FEB-2002.
 XX 14-AUG-2001; 2001WO-US025464.
 XX 24-AUG-2000; 2000WO-US023328.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 22-JUN-2001; 2001US-00888257.
 PR 22-JUN-2001; 2001WO-US020118.
 XX (GETH) GENENTECH INC.
 XX Gao W, Polakis P, Shou J, Smith V, Soriano R, Williams PM;
 PI Wu TD, Zhang Z;
 XX WPI; 2002-280928/32.
 DR N-PSDB; ABK11744.
 XX Novel isolated antibody which binds to tumor-associated antigenic target
 PT polypeptide useful for killing cancer cells expressing the polypeptide
 PT and for treating tumor comprising cells that expresses the polypeptide.
 XX Claim 2; Fig 8; 123pp; English.
 XX The invention describes an isolated antibody which binds to a tumour-
 CC associated antigenic target (TAT) polypeptide. The antibody is useful
 CC for: killing a cancer cell (such as a breast, colorectal, lung, ovarian,
 CC central nervous system, liver, bladder, pancreatic, cervical, melanoma or
 CC leukaemia cell) that expresses a polypeptide with at least 80% identity
 CC to the TAT polypeptide sequence; treating a tumour comprising cells that
 CC express a polypeptide with at least 80% identity to the TAT polypeptide
 CC sequence; determining the presence of a polypeptide having at least 80 %
 CC identity to the TAT polypeptide sequence in a sample suspected of
 CC containing the polypeptide; diagnosing the presence of a tumour in a
 CC mammal, and for antibody dependent enzyme mediated prodrug therapy
 CC (ADEPT). This is the amino acid sequence of the tumour associated
 CC antigenic target polypeptide (TAT) 136, described in the invention
 XX Sequence 282 AA;
 SQ

Query Match 100.0%; Score 1431; DB 5; Length 282;
 Best Local Similarity 100.0%; Pred. No. 5.6e-118;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MASIGQLFWISIIIIILAGAIALLIGFISGRHSITVTIVASAGNIGEDGILSCTFEP 60
 Db |||||
 Qy 1 MASIGQLFWISIIIIILAGAIALLIGFISGRHSITVTIVASAGNIGEDGILSCTFEP 60
 Db |||||
 Qy 61 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120
 Db |||||
 Qy 61 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120
 Db |||||
 Qy 121 QLTDAGTYKCVIITSKGNANLBYKTCGAFSMPEVNVVDYNASSETLCEAPRFPQPTVV 180
 Db |||||
 Qy 121 QLTDAGTYKCVIITSKGNANLBYKTCGAFSMPEVNVVDYNASSETLCEAPRFPQPTVV 180
 Db |||||
 Qy 181 WASVDQGANFSEVNSITSEFNSNVTKVSVLVYNTYNTYSCMLIENDIAKATGDIKV 240
 Db |||||
 Qy 181 WASVDQGANFSEVNSITSEFNSNVTKVSVLVYNTYNTYSCMLIENDIAKATGDIKV 240
 Db |||||
 Qy 241 TESIKRSHQLNLNASKSLCVSSFFFAISWALLPLSPYMLK 282
 Db |||||
 Qy 241 TESIKRSHQLNLNASKSLCVSSFFFAISWALLPLSPYMLK 282
 Db |||||

RESULT 10
 ABG95880
 ID ABG95880 standard; protein; 282 AA.
 XX
 AC ABG95880;
 XX
 DT 10-DEC-2002 (first entry)
 XX
 DE Human secreted/transmembrane protein PRO1291.
 XX
 KW Human; secreted protein; transmembrane protein; antirheumatic;
 KW antiarthritic; osteopathic; sports-related joint problem;
 KW articular cartilage defect; osteoarthritis; rheumatoid arthritis.
 XX
 OS Homo sapiens.
 XX
 PN US2002119130-A1.
 XX
 PD 29-AUG-2002.
 XX
 PP 06-DEC-2001; 2001US-00006867.
 XX
 PR 29-OCT-1997; 97US-0063435P.
 PR 29-OCT-1997; 97US-0064215P.
 PR 22-APR-1998; 98US-0082797P.
 PR 29-APR-1998; 98US-0083495P.
 PR 15-MAY-1998; 98US-0085579P.
 PR 02-JUN-1998; 98US-0087759P.
 PR 04-JUN-1998; 98US-0088021P.
 PR 04-JUN-1998; 98US-0088029P.
 PR 04-JUN-1998; 98US-0088030P.
 PR 10-JUN-1998; 98US-0088734P.
 PR 10-JUN-1998; 98US-0088740P.
 PR 10-JUN-1998; 98US-0088811P.
 PR 10-JUN-1998; 98US-0088824P.
 PR 11-JUN-1998; 98US-0088825P.
 PR 11-JUN-1998; 98US-0088863P.
 PR 12-JUN-1998; 98US-0089105P.
 PR 16-JUN-1998; 98US-0089514P.
 PR 17-JUN-1998; 98US-0089533P.
 PR 19-JUN-1998; 98US-0089952P.
 PR 22-JUN-1998; 98US-0090246P.
 PR 24-JUN-1998; 98US-0090444P.
 PR 25-JUN-1998; 98US-0090688P.
 PR 25-JUN-1998; 98US-0090896P.
 PR 26-JUN-1998; 98US-0090862P.
 PR 02-JUL-1998; 98US-0091628P.
 PR 10-AUG-1998; 98US-0096012P.
 PR 17-AUG-1998; 98US-0096757P.
 PR 18-AUG-1998; 98US-0096949P.
 PR 18-AUG-1998; 98US-0096959P.
 PR 26-AUG-1998; 98US-0097954P.
 PR 26-AUG-1998; 98US-0097971P.
 PR 26-AUG-1998; 98US-0097979P.
 PR 01-SEP-1998; 98US-0098749P.
 PR 10-SEP-1998; 98US-0099741P.
 PR 10-SEP-1998; 98US-0099763P.
 PR 10-SEP-1998; 98US-0099792P.
 PR 10-SEP-1998; 98US-0099812P.
 PR 10-SEP-1998; 98US-0099815P.
 PR 16-SEP-1998; 98US-0100627P.
 PR 16-SEP-1998; 98US-0100662P.
 PR 16-SEP-1998; 98WO-US019130.
 PR 17-SEP-1998; 98US-0100683P.
 PR 17-SEP-1998; 98US-0100684P.
 PR 17-SEP-1998; 98US-0100930P.
 PR 22-SEP-1998; 98US-0101279P.
 PR 23-SEP-1998; 98US-0101475P.
 PR 24-SEP-1998; 98US-0101738P.
 PR 24-SEP-1998; 98US-0101743P.
 PR 24-SEP-1998; 98US-0101916P.
 PR 30-SEP-1998; 98US-0102570P.
 PR 06-OCT-1998; 98US-0103449P.

FT Modified-site 205..209 /note="Asn is N-glycosylated"
 FT Modified-site 216..220 /note="Asn is N-glycosylated"
 FT Modified-site 220..224 /note="Asn is N-glycosylated"
 FT Domain 258..281 /note="Transmembrane domain"
 FT XX WO200216429-A2.
 FN PD 28-FEB-2002.
 XX XX 22-JUN-2001; 2001WO-US020118.
 XX PR 24-AUG-2000; 2000WO-US023328.
 PR 26-SEP-2000; 2000US-0235451P.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 XX (GETH) GENENTECH INC.
 FA Goddard A, Godowski PJ, Gurney AL, Hillan KJ, Polakis P, Smith V;
 XX Wood WI, Wu TD, Zhang Z;
 PI WPI; 2002-280917/32.
 DR N-PSDB; ABK11091.
 XX Novel isolated tumor-associated antigenic target polypeptides which are
 PT useful as targets for cancer therapy and diagnosis in mammals.
 XX Claim 12; Fig 8; 121pp; English.
 XX The invention relates to an isolated tumour-associated antigenic target
 CC polypeptide (TAT) (I), specifically TAT134-TAT138 polypeptides, and the
 CC polynucleotides (II) encoding them. (II) is useful for diagnosing the
 CC presence of a tumour in a mammal, where the level of expression of (II)
 CC is indicative on the presence of tumour in the mammal from which the test
 CC sample was obtained. Antibody to (I) is useful for killing a cancer cell
 CC (e.g. breast cancer cell, a colorectal cancer cell, a lung cancer cell,
 CC an ovarian cancer cell, a central nervous system (CNS) cancer cell, a
 CC liver cancer cell, a bladder cancer cell, a pancreatic cancer cell, a
 CC melanoma cell or a leukaemia cell) that expresses (I). Oligonucleotides
 CC hybridising to (II) are useful as diagnostic probes, antisense
 CC oligonucleotide probes or for encoding fragments of full length TAT
 CC polypeptide. (II) is also useful in chromosome and gene mapping and in
 CC the generation of antisense RNA and DNA probes, for constructing
 CC hybridisation probes for mapping the gene encoding TAT and for genetic
 CC analysis of individuals with genetic disorders. (II) is also useful for
 CC generating either transgenic animals or knockout animals, and in gene
 CC therapy. The TAT polypeptides and nucleic acids may also be used for
 CC tissue typing and the TAT polypeptides are useful for screening compounds
 CC that mimic the TAT polypeptide (agonist) or prevent the effect of TAT
 CC polypeptide (antagonist). The antibody is useful for staging TAT
 CC polypeptide-expressing cancers, purifying or immunoprecipitating TAT
 CC polypeptide from cells, for detection and quantitation of TAT polypeptide
 CC in vitro, e.g. in an enzyme linked immunosorbent assay (ELISA) or
 CC Western blot. The antibodies are also useful for treating a TAT-
 CC expressing cancer or alleviating one or more symptoms of cancer in a
 CC mammal. The present sequence represents the amino acid sequence of TAT136
 XX SQ Sequence 282 AA;
 Query Match 100.0%; Score 1431; DB 5; Length 282;
 Best Local Similarity 100.0%; Pred. No. 5.6e-118;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MASLGQILFWSIIIIIIILAGAILIIGFISGRHSITVTVTASAGNIGDGLSCTFEP 60
 Db 1 MASLGQILFWSIIIIIIILAGAILIIGFISGRHSITVTVTASAGNIGDGLSCTFEP 60
 QY 61 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120

Db 61 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
 QY 121 QLTDAQTYKCVIITSKGNANLEYKTGAFSPMPVNVVDYNASSETLRCEAPRWFPPQTVV 180
 Db 121 QLTDAQTYKCVIITSKGNANLEYKTGAFSPMPVNVVDYNASSETLRCEAPRWFPPQTVV 180
 QY 181 WASQVDQGANFSEVSNSTFELNSENVMTKVVSVLVYNTVNTTSCMIENDIAKATGDIK 240
 Db 181 WASQVDQGANFSEVSNSTFELNSENVMTKVVSVLVYNTVNTTSCMIENDIAKATGDIK 240
 QY 241 TESIERSHLOLLNSKASLCVSFFFAISWALLPLSPYMLK 282
 Db 241 TESIERSHLOLLNSKASLCVSFFFAISWALLPLSPYMLK 282

RESULT 12
 ABP30901
 ID ABP30901 standard; protein; 282 AA.
 XX AC ABP30901;
 XX 02-JUL-2002 (first entry)
 DT OSE protein #2.
 DE Human; immunostimulant; cytostatic; cancer; ovarian carcinoma.
 XX Homo sapiens.
 OS WO200206317-A2.
 PN 24-JAN-2002.
 PD 17-JUL-2001; 2001WO-US022635.
 PF 17-JUL-2000; 2000US-00617747.
 PR 10-AUG-2000; 2000US-00636801.
 PR 20-SEP-2000; 2000US-00667857.
 PR 04-APR-2001; 2001US-00827271.
 PR 18-JUN-2001; 2001US-00884441.
 XX (CORI-) CORIXA CORP.
 XX Mitcham JL, King GE, Algate PA, Fling SP, Retter MW, Fanger GR;
 PI Reed SG, Vedvick TS, Carter D, Hill P, Albone E;
 XX WPI; 2002-164781/21.
 DR N-PSDB; ABN72971.
 XX Polypeptides comprising an immunogenic portion of an ovarian carcinoma
 PT protein or its variants, useful for stimulating an immune response in a
 PT patient and treating ovarian cancer.
 XX Claim 34; Page 321-322; 408pp; English.
 XX This invention relates to polypeptides comprising an immunogenic portion
 CC of an ovarian carcinoma protein which acts as an immunostimulant and is
 CC cytostatic. The polypeptides, polynucleotides, antibodies, fusion
 CC proteins, T cell populations and antigen presenting cells that express
 CC the polypeptides are useful for stimulating an immune response in a
 CC patient and treating ovarian cancer. This sequence represents protein
 CC related to the invention
 XX SQ Sequence 282 AA;
 Query Match 100.0%; Score 1431; DB 5; Length 282;
 Best Local Similarity 100.0%; Pred. No. 5.6e-118;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MASLGQILFWSIIIIIIILAGAILIIGFISGRHSITVTVTASAGNIGDGLSCTFEP 60
 Db 1 MASLGQILFWSIIIIIIILAGAILIIGFISGRHSITVTVTASAGNIGDGLSCTFEP 60

Qy 61 DIKLSDIVIQWLKEGVLGLVHEPKGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
 Db 61 DIKLSDIVIQWLKEGVLGLVHEPKGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
 Qy 121 QLTDAQTYKCYIITSKKGKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRWFPQPTVV 180
 Db 121 QLTDAQTYKCYIITSKKGKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRWFPQPTVV 180
 Qy 181 WASQVDQGANFSEVSNSTSFELNSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
 Db 181 WASQVDQGANFSEVSNSTSFELNSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
 Qy 241 TESIKRSHLQLLNKASLCVSSFFAISWALLPLSPYLMK 282
 Db 241 TESIKRSHLQLLNKASLCVSSFFAISWALLPLSPYLMK 282

RESULT 13

ABBY6274
 ID ABBY6274 standard; protein; 282 AA.

AC ABBY6274;

DT 12-AUG-2002 (first entry)

XX Breast BS265 polypeptide.

XX BS265; human; breast; cancer; tumour; metastasis; diagnosis;
 KW gene therapy.

XX Homo sapiens.

XX US2002034749-A1.

XX 21-MAR-2002.

XX 07-MAY-2001; 2001US-00850178.

XX 18-NOV-1997; 97US-00972376.

PR 18-NOV-1998; 98US-00193944.

XX (BILL// BILLINGEL P A.

PA (COHE// COHEN M.

PA (COLP// COLPITTS T L.

PA (FRIE// FRIEDMAN P N.

PA (GORD// GORDON J.

PA (GRAN// GRANADOS E N.

PA (HODG// HODGES S C.

PA (KLAS// KLAS M R.

PA (KRAT// KRATOCHVIL J D.

PA (ROBE// ROBERTS-RAPP L A.

PA (RUSS// RUSSELL J C.

PA (STRO// STROUPE S D.

XX Billingel PA, Cohen M, Colpitts TL, Friedman PN, Gordon J;

PI Granados EN, Hodges SC, KLAS MR, Kratochvil JD, Roberts-Rapp LA;

PI Russell JC, Stroupe SD;

XX WPI; 2002-403712/43.

DR N-PSDB; ABL57354.

XX New BS265 proteins and nucleic acids, useful for detecting, diagnosing,

PT staging, monitoring, prognosticating, in vivo imaging, preventing,

PT treating, or determining the predisposition of an individual to breast

PT cancer.

XX Claim 54; Page 45-46; 52pp; English.

XX The present sequence is the protein sequence of human breast BS265

CC protein, as predicted from a BS265 expressed sequence tag clone (see

CC ABL57354). The invention provides a set of contiguous and partially

CC overlapping cDNA sequences (see ABL57345-63), designated as BS265 and

CC transcribed from breast tissue, and the polypeptides encoded by them.
 CC These are useful for detecting, diagnosing, staging, monitoring,
 CC prognosticating, in vivo imaging, preventing, treating, or determining
 CC the predisposition of an individual to diseases and conditions of the
 CC breast, such as breast cancer. Also provided are antibodies which
 CC specifically bind to BS265 proteins, and agonists or inhibitors which
 CC prevent action of the proteins, and which are useful for treatment of
 CC breast disease, especially tumours and metastases

XX SQ Sequence 282 AA;

Query Match 100.0%; Score 1431; DB 5; Length 282;

Best Local Similarity 100.0%; Pred. No. 5.6e-118;

Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASLGQILFWISIISIIILAGAIALIIIGFGISGRHSITVTTVASAGNIGEDGILSCTPEP 60

Db 1 MASLGQILFWISIISIIILAGAIALIIIGFGISGRHSITVTTVASAGNIGEDGILSCTPEP 60

Qy 61 DIKLSDIVIQWLKEGVLGLVHEPKGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120

Db 61 DIKLSDIVIQWLKEGVLGLVHEPKGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120

Qy 121 QLTDAQTYKCYIITSKKGKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRWFPQPTVV 180

Db 121 QLTDAQTYKCYIITSKKGKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRWFPQPTVV 180

Qy 181 WASQVDQGANFSEVSNSTSFELNSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Db 181 WASQVDQGANFSEVSNSTSFELNSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy 241 TESIKRSHLQLLNKASLCVSSFFAISWALLPLSPYLMK 282

Db 241 TESIKRSHLQLLNKASLCVSSFFAISWALLPLSPYLMK 282

RESULT 14

AAE18336

ID AAE18336 standard; protein; 282 AA.

AC AAE18336;

DT 07-MAY-2002 (first entry)

XX Human B7-like protein (B7-L).

Human; B7-like protein; B7-L; reproductive disorder; autoimmune disease;
 KW proliferative disorder; infertility; hyperplasia; cancer; lung; breast;
 KW brain; seminal vesicle; haematopoietic system; tumour; diabetes mellitus;
 KW rheumatoid arthritis; systemic lupus erythematosus; toxic shock syndrome;
 KW inflammatory bowel disease; psoriasis; allergy; Crohn's disease; vaccine;
 KW Grave's disease; arteriosclerosis; multiple sclerosis; hypersensitivity;
 KW nephropathy; skin disorder; endocrinopathy; vasculopathy; gynaecological;
 KW myasthenia ravis; anaemia; lymphoproliferative disorder; neuroprotective;
 KW cytostatic; multiple myeloma; tissue-degenerating disease; nephrotropic;
 KW immunosuppressive; asthma; virucide; gene therapy.

OS Homo sapiens.

XX Key Location/Qualifiers

FT Peptide 1..24

FT Protein /label= Signal_peptide

FT Protein 25..282

XX /label= Human_mature_B7-L_protein

PN W0200202624-A2.

XX 10-JAN-2002.

XX 29-JUN-2001; 2001WO-US021297.

XX 30-JUN-2000; 2000US-0215645P.

(ANGE-) AMGEN INC.
 Fox M, Sullivan JK, Fang M;
 WPI; 2002-171639/22.
 N-PSDB; AAD29253.
 Novel B7-like polypeptides, polynucleotides and their modulators useful for prevention and treatment of reproductive, immune and proliferative disorders, e.g. cancer, arteriosclerosis.
 Claim 13; Fig 1A-1B; 133pp; English.
 The present invention relates to an isolated B7-like (B7-L) polypeptide and its polynucleotide. B7-1 and its modulators are useful for treating reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L are useful for enhancing the immune response to tumours. B7-1 plays a role in growth and maintenance of cancer cells based on the observation of seminal vesicle hyperplasia in transgenic mice overexpressing B7-1. Modulators of B7-1 are useful for the treatment of cancer e.g. seminal vesicle, lung, brain, breast, ovarian, testicular cancer and cancers of haematopoietic system. B7-1 and their modulators are useful to treat autoimmune diseases such as systemic lupus erythematosus, rheumatoid arthritis, immune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and ulcerative colitis), Grave's disease, Hashimoto's thyroiditis and diabetes mellitus. They are also useful as immunosuppressive agents for bone marrow and organ transplantation or to prolong graft survival. Modulators of B7-L are also useful for diagnosis and treatment of diseases involving abnormal cell proliferation, arteriosclerosis and vascular restenosis. Soluble B7-L serves as vaccine adjuvants.
 Antagonists of B7-L are useful for alleviation of toxic shock syndrome or allo sensitisation due to blood transfusions, and for treatment of multiple sclerosis, allergy, asthma and hypersensitivity reactions, nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus, pemphigoid), endocrinopathies, various pneumopathies, vasculopathies, coeliac disease, anaemia, thrombocytopenia, Guillain-Barre syndrome and myasthenia gravis, and lymphoproliferative disorders such as multiple myeloma. B7-L gene is useful in gene therapy and to map the locations of B7-L gene and related genes on chromosomes, as hybridisation probes in diagnostic assays, for isolating corresponding chromosomal B7-L genes, and to identify heritable tissue-degenerating diseases. The present sequence is human B7-L protein

RESULT 15
 ABB09879
 ID ABB09879 standard; protein; 282 AA.
 XX
 AC ABB09879;
 XX
 DT 30-JUL-2002 (first entry)
 XX
 DE Amino acid sequence of the OREO gene (gene B).
 XX
 KW Human; gene A; ovarian tumour; gene B; OREO; ovarian cancer.
 XX
 OS Homo sapiens.
 XX
 FH Key Location/Qualifiers
 FT Domain 12..31
 FT /note= "predicted transmembrane domain"
 FT Domain 46..145
 FT /note= "predicted Ig domain"
 FT Modified-site 112
 FT /note= "N-glycosylation site"
 FT Modified-site 160
 FT /note= "N-glycosylation site"
 FT Modified-site 190
 FT /note= "N-glycosylation site"
 FT Modified-site 196
 FT /note= "N-glycosylation site"
 FT Modified-site 205
 FT /note= "N-glycosylation site"
 FT Modified-site 216
 FT /note= "N-glycosylation site"
 FT Modified-site 220
 FT /note= "N-glycosylation site"
 FT
 W0200194641-A2.
 13-DEC-2001.
 PF 11-JUN-2001; 2001WO-US018700.
 XX
 PR 09-JUN-2000; 2000US-0210451P.
 XX
 PA (IDEC-) IDEC PHARM CORP.
 XX
 PI Ople B, McLachlan K, Heard C;
 XX
 DR WPI; 2002-404365/43.
 DR N-PSDB; ABL56582.
 XX
 PT New polynucleotide and corresponding antigens from human ovarian cancer cells, useful for treatment and diagnosis of ovarian cancer.
 FT
 XX
 PS Claim 12; Fig 7b; 71pp; English.
 XX
 CC The present sequence represents a protein designated OREO. The OREO (Ople RDA of Epithelial Tissue vs. Ovary tumour) gene is a novel gene, also designated gene B. This gene was identified by representational difference analysis (RDA) screening, and is selectively expressed by certain human ovarian tumours. The specification also describes gene A, identified by the same method. Gene A and B polynucleotides are useful for detecting ovarian cancer. Their polypeptides are useful for treating ovarian cancer
 CC
 XX
 SQ Sequence 282 AA;
 Query Match 100.0%; Score 1431; DB 5; Length 282;
 Best Local Similarity 100.0%; Pred. No. 5.6e-118;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MASLGQLFWSIIISIIILAGAIALLIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
 DB 1 MASLGQLFWSIIISIIILAGAIALLIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
 QY 61 DIKLSDIVIQWLKEGVGLVHEFKEGKDELSEQDEMRGRTAVFADQVIVGNASLRKNV 120
 DB 61 DIKLSDIVIQWLKEGVGLVHEFKEGKDELSEQDEMRGRTAVFADQVIVGNASLRKNV 120
 QY 121 QLTDAGTYKCYIITSKGNANLEYKTFGAFSPMPVNVVDYNASSFTLCEAPRFPQPTVV 180
 DB 121 QLTDAGTYKCYIITSKGNANLEYKTFGAFSPMPVNVVDYNASSFTLCEAPRFPQPTVV 180
 QY 181 WASQVDCGANFSEVNSVTSFELNSNVTKVSVLYNVTINNTYSCMTIENDIAKATGDIKV 240
 DB 181 WASQVDCGANFSEVNSVTSFELNSNVTKVSVLYNVTINNTYSCMTIENDIAKATGDIKV 240
 QY 241 TESIERSHLOLNSKASLCVSSFFAISWALLPLSPYLMK 282
 DB 241 TESIERSHLOLNSKASLCVSSFFAISWALLPLSPYLMK 282

Qy	61	DIKLSDIVIOWLKEGVLGLVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV	120
Db	61	DIKLSDIVIOWLKEGVLGLVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV	120
Qy	121	QLTDAGTYKCYIITSKKGKGNANLEYKTGAFSMPPEVNVVDYNASSETLRCEAPRWFPPQPTVV	180
Db	121	QLTDAGTYKCYIITSKKGKGNANLEYKTGAFSMPPEVNVVDYNASSETLRCEAPRWFPPQPTVV	180
Qy	181	WASQVDOGANFSEVSNTSFELNSENVTMKVSVLYNVVTINNTYSCMIENDIAKATGDIKV	240
Db	181	WASQVDOGANFSEVSNTSFELNSENVTMKVSVLYNVVTINNTYSCMIENDIAKATGDIKV	240
Qy	241	TESEIKRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMK	282
Db	241	TESEIKRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMK	282

Search completed: April 19, 2005, 07:13:28
Job time : 98 secs

THIS PAGE BLANK (USPTO)

	Query Match	100.0%;	Score 282;	DB 9;	Length 282;
	Best Local Similarity	100.0%;	Pred. No. 2e-263;		
	Matches 282;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MASLGQLFWSIISIIIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP	60		
Db	1	MASLGQLFWSIISIIIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP	60		
Qy	61	DIKLSDIVIOWLKEGVGLVHFPEKGEKDELSEODEMPRGRTAVPADQVIVGNASIRLKNV	120		
Db	61	DIKLSDIVIOWLKEGVGLVHFPEKGEKDELSEODEMPRGRTAVPADQVIVGNASIRLKNV	120		

QY 121 QLTDAAGTYKCYIITSKGKNANLEYKTFGAFSMPEVNVVDYNASSETLRCEAPRFPQPTVV 180
DB 121 QLTDAAGTYKCYIITSKGKNANLEYKTFGAFSMPEVNVVDYNASSETLRCEAPRFPQPTVV 180
QY 181 WASQVDGAFSEVSNFSELSNENVTMKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
DB 181 WASQVDGAFSEVSNFSELSNENVTMKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
QY 241 TESEIKRRSHQLNLSKASLCVSSFFAISWALLPLSPYMLK 282
DB 241 TESEIKRRSHQLNLSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 2

US-09-850-178-33
; Sequence 33, Application US/09850178
; Patent No. US20020034749A1
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Billing-Medel, Patricia A.
; APPLICANT: Cohen, Maurice
; APPLICANT: Colipitts, Tracey L.
; APPLICANT: Friedman, Paula N.
; APPLICANT: Russell, John C.
; APPLICANT: Granados, Edward N.
; APPLICANT: Hodges, Steven C.
; APPLICANT: Klass, Michael R.
; APPLICANT: Kratochvil, Jon D.
; APPLICANT: Roberts-Rapp, Lisa
; APPLICANT: Stroupe, Stephen D.
; APPLICANT: Gordon, Julian
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
; FILE OF INVENTION: DETECTING DISEASES OF THE BREAST
; FILE REFERENCE: 6251.US.P1
; CURRENT APPLICATION NUMBER: US/09/850,178
; CURRENT FILING DATE: 2001-05-07
; PRIOR APPLICATION NUMBER: US 08/972,376
; PRIOR FILING DATE: 1997-11-18
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-850-178-33

Query Match 100.0%; Score 282; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2e-263;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MASLGQILFWSIISIIILAGAILIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
DB 1 MASLGQILFWSIISIIILAGAILIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
QY 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120
DB 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120
QY 121 QLTDAAGTYKCYIITSKGKNANLEYKTFGAFSMPEVNVVDYNASSETLRCEAPRFPQPTVV 180
DB 121 QLTDAAGTYKCYIITSKGKNANLEYKTFGAFSMPEVNVVDYNASSETLRCEAPRFPQPTVV 180
QY 181 WASQVDGAFSEVSNFSELSNENVTMKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
DB 181 WASQVDGAFSEVSNFSELSNENVTMKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
QY 241 TESEIKRRSHQLNLSKASLCVSSFFAISWALLPLSPYMLK 282
DB 241 TESEIKRRSHQLNLSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 3

US-09-877-065-8
; Sequence 8, Application US/09877065
; Patent No. US20020051990A1
; GENERAL INFORMATION:
; APPLICANT: OPLE, ERIC
; APPLICANT: McLachlan, Karen
; APPLICANT: Heard, Cheryl J.
; TITLE OF INVENTION: NOVEL GENE TARGETS AND LIGANDS THAT BIND THERETO FOR
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF OVARIAN CARCINOMAS
; FILE REFERENCE: 037003-0280631
; CURRENT APPLICATION NUMBER: US/09/877,065
; CURRENT FILING DATE: 2001-06-11
; PRIOR APPLICATION NUMBER: 60/210,451
; PRIOR FILING DATE: 2000-06-09
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-877-065-8

Query Match 100.0%; Score 282; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2e-263;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MASLGQILFWSIISIIILAGAILIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
DB 1 MASLGQILFWSIISIIILAGAILIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
QY 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120
DB 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120
QY 121 QLTDAAGTYKCYIITSKGKNANLEYKTFGAFSMPEVNVVDYNASSETLRCEAPRFPQPTVV 180
DB 121 QLTDAAGTYKCYIITSKGKNANLEYKTFGAFSMPEVNVVDYNASSETLRCEAPRFPQPTVV 180
QY 181 WASQVDGAFSEVSNFSELSNENVTMKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
DB 181 WASQVDGAFSEVSNFSELSNENVTMKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
QY 241 TESEIKRRSHQLNLSKASLCVSSFFAISWALLPLSPYMLK 282
DB 241 TESEIKRRSHQLNLSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 4

US-09-989-722-291
; Sequence 291, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.

APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secured and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C63
CURRENT APPLICATION NUMBER: US/09/989,722
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826

PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25

; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 282; DB 9; Length 282;

Best Local Similarity 100.0%; Pred. No. 2e-263; Mismatches 0; Indels 0; Gaps 0;
Matches 282; Conservative 0;

Qy 1 MASLGQLFWSIIIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASLGQLFWSIIIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Qy 61 DIKLSDIVIOWLKEGVGLVHEFKGKDELSEQDEMERGTAVFADQVIVGNASLRKNV 120
Db 61 DIKLSDIVIOWLKEGVGLVHEFKGKDELSEQDEMERGTAVFADQVIVGNASLRKNV 120
Qy 121 QLTDAGTYKCYIITSKGNANLEYKTGAFSMEPVNVVDYNASSETLRCEAPRFPQPTVV 180
Db 121 QLTDAGTYKCYIITSKGNANLEYKTGAFSMEPVNVVDYNASSETLRCEAPRFPQPTVV 180
Qy 181 WASQVDQGANFSEVSNTPFELNSENVTMKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
Db 181 WASQVDQGANFSEVSNTPFELNSENVTMKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
Qy 241 TESEIKRSHQLLNKSKASLCVSSFFAISWALLPLSPYMLK 282
Db 241 TESEIKRSHQLLNKSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 5

US-09-989-723-291
; Sequence 291, Application US/09989723
; Patent No. US20020072092A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey J.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P162
; CURRENT APPLICATION NUMBER: US/09/989, 723
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10

;
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540

;
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 282; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 28-263; Mismatches 0; Indels 0; Gaps 0;
Matches 282; Conservative 0

Qy 1 MASLGQILFWSIIIIILAGAIALLIGFGISGRHSITVTTVASAGNIGSDGILSCTFEP 60
Db 1 MASLGQILFWSIIIIILAGAIALLIGFGISGRHSITVTTVASAGNIGSDGILSCTFEP 60
Qy 61 DIKLSDIVIQLKEGVLGLVHFEKGEKDELSEQDENFRGRTAVFADQVIVGNASLRKNV 120
Db 61 DIKLSDIVIQLKEGVLGLVHFEKGEKDELSEQDENFRGRTAVFADQVIVGNASLRKNV 120
Qy 121 QLTDACTYKCIITTSKGNANLEYKTGAFSMEPVNDVYNASSETLRCEAPRFPQPTVV 180
Db 121 QLTDACTYKCIITTSKGNANLEYKTGAFSMEPVNDVYNASSETLRCEAPRFPQPTVV 180
Qy 181 WASQVDQGANFSEVSNSTSFELNSENVTMKVSVLYVNTINNNTYSCHMIENDIAKATGDIK 240
Db 181 WASQVDQGANFSEVSNSTSFELNSENVTMKVSVLYVNTINNNTYSCHMIENDIAKATGDIK 240
Qy 241 TESEIKRRSHLQLLNKSKSLCVSSFFAISWALLPLSPYMLK 282
Db 241 TESEIKRRSHLQLLNKSKSLCVSSFFAISWALLPLSPYMLK 282

RESULT 6
US-09-989-279-291
; Sequence 291, Application US/09989279
; Patent No. US20020072496A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C56
CURRENT APPLICATION NUMBER: US/09/989,279
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202

PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24

;; PRIOR APPLICATION NUMBER: 60/090444
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090445
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090472
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090535
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090540
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090542
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090557
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090676
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090678
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090690
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090695
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090696
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 282; DB 9; Length 282;

Best Local Similarity 100.0%; Pred. No. 2e-263;

Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASIGQLFWISIIIIILAGATALLIIFGIGSRHSITVTVVASAGNIGEDGILSCTFEP 60
Db 1 MASIGQLFWISIIIIILAGATALLIIFGIGSRHSITVTVVASAGNIGEDGILSCTFEP 60
Qy 61 DIKLSDIVIOWLKEGVGLVHEFKPKGKDELSEQDEMFRGRTAVPADOVIVGNASRLKNV 120
Db 61 DIKLSDIVIOWLKEGVGLVHEFKPKGKDELSEQDEMFRGRTAVPADOVIVGNASRLKNV 120
Qy 121 QLTDAGTYKCYIITSKGNANLEYKTKGAFSMPEVNVVDYNASSFTLRCAPRFPQPTVV 180
Db 121 QLTDAGTYKCYIITSKGNANLEYKTKGAFSMPEVNVVDYNASSFTLRCAPRFPQPTVV 180
Qy 181 WASQVDGAFSEVSNVTSFELNSENVTKVSVLVYNTVNTTYSMTENDIAKATGDIKV 240
Db 181 WASQVDGAFSEVSNVTSFELNSENVTKVSVLVYNTVNTTYSMTENDIAKATGDIKV 240
Qy 241 TSEIKRSHLOLINSKASLCVSSFFAISWALLPLSPYMLK 282
Db 241 TSEIKRSHLOLINSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 7

US-09-989-727-291
; Sequence 291, Application US/09989727
; Patent No. US20020072497A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1G65
; CURRENT APPLICATION NUMBER: US/09/989,727
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04

; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349

; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 282; DB 9; Length 282;

Best Local Similarity 100.0%; Pred. No. 2e-263;

Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MASLGOILFWSIIISIIILAGAILIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP	60
Db	1	MASLGOILFWSIIISIIILAGAILIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP	60
Qy	61	DIKLSDIVIQLKEGVLGVHFEKCKDELSEODENFRGRTAVFADQVIVGNASRLKNV	120
Db	61	DIKLSDIVIQLKEGVLGVHFEKCKDELSEODENFRGRTAVFADQVIVGNASRLKNV	120
Qy	121	QUTDAGTYKCYIITSKGKGNANLEYKTGAFSPMPVNVNDYNASSETLRCEAPRWFPOPTVV	180
Db	121	QUTDAGTYKCYIITSKGKGNANLEYKTGAFSPMPVNVNDYNASSETLRCEAPRWFPOPTVV	180

Qy 181 WASQVQGANFSEVSNSTSFELNSENVTKVSVLYVNTVNTYSCMIENDIAKATGDIKV 240
Db 181 WASQVQGANFSEVSNSTSFELNSENVTKVSVLYVNTVNTYSCMIENDIAKATGDIKV 240
Qy 241 TSEIKRSHQLLNKSKASLCVSSFFFAISWALLPLSPYLMLK 282
Db 241 TSEIKRSHQLLNKSKASLCVSSFFFAISWALLPLSPYLMLK 282

RESULT 8

US-09-910-689-208
; Sequence 208, Application US/09910689
; Patent No. US20020081609A1
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Dav, Craig H.
; APPLICANT: Jiang, Yugu
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Mitcham, Jennifer
; APPLICANT: Wang, Tongtong
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.491C6
; CURRENT APPLICATION NUMBER: US/09/910.689
; CURRENT FILING DATE: 2001-07-20
; NUMBER OF SEQ ID NOS: 307
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 208
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-910-689-208

Query Match 100.0%; Score 282; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2e-263;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASIGQILFWSIISIIILAGAIALLTGFGISGRHSITVTTVASAGNIGEDGILSCFEP 60
Db 1 MASIGQILFWSIISIIILAGAIALLTGFGISGRHSITVTTVASAGNIGEDGILSCFEP 60
Qy 61 DIKLSDIVIOWLKEGVLGLVHFEKKGDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
Db 61 DIKLSDIVIOWLKEGVLGLVHFEKKGDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
Qy 121 QLTDAGTYKCVIITSKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRWFPQPTVV 180
Db 121 QLTDAGTYKCVIITSKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRWFPQPTVV 180
Qy 181 WASQVQGANFSEVSNSTSFELNSENVTKVSVLYVNTVNTYSCMIENDIAKATGDIKV 240
Db 181 WASQVQGANFSEVSNSTSFELNSENVTKVSVLYVNTVNTYSCMIENDIAKATGDIKV 240
Qy 241 TSEIKRSHQLLNKSKASLCVSSFFFAISWALLPLSPYLMLK 282
Db 241 TSEIKRSHQLLNKSKASLCVSSFFFAISWALLPLSPYLMLK 282

RESULT 9

US-09-989-731-291
; Sequence 291, Application US/09989731
; Patent No. US20020103125A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC70
; CURRENT APPLICATION NUMBER: US/09/989.731
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217

; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24

; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 282; DB 9; Length 282;

Best Local Similarity 100.0%; Pred. No. 2e-263; Mismatches 0; Indels 0; Gaps 0;
Matches 282; Conservative 0;

Qy	1	MASIGQLFWSIIISIIILAGATAIITGFGISGRHSITVTTVASAGNIGEDGILSCTFEP	60
Db	1	MASIGQLFWSIIISIIILAGATAIITGFGISGRHSITVTTVASAGNIGEDGILSCTFEP	60
Qy	61	DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEODEMPRGTAFTAVFADQVIVGNASLRKNV	120
Db	61	DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEODEMPRGTAFTAVFADQVIVGNASLRKNV	120
Qy	121	QLTDAGTYKCYIITSKGNANLEYKTGAFSPMEPVNDVYNASSETLRCEAPRFPQPTVV	180
Db	121	QLTDAGTYKCYIITSKGNANLEYKTGAFSPMEPVNDVYNASSETLRCEAPRFPQPTVV	180
Qy	181	WASQVDOGANFSEVSNTSFELNSENVTKVSVLYNVNTINNTYSCEMIENDIAKATGDIKV	240
Db	181	WASQVDOGANFSEVSNTSFELNSENVTKVSVLYNVNTINNTYSCEMIENDIAKATGDIKV	240
Qy	241	TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK	282
Db	241	TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK	282

RESULT 10

US-09-884-441-393

; Sequence 393, Application US/09884441

```
Patent No. US20020119158A1
GENERAL INFORMATION:
APPLICANT: Algate, Paul A.
APPLICANT: Carter, Darriick
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.462C7
CURRENT APPLICATION NUMBER: 057094884.441
CURRENT FILING DATE: 2001-06-18
NUMBER OF SEQ ID NOS: 489
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 393
LENGTH: 282
TYPE: PRT
ORGANISM: Homo sapiens
US-09-884-441-393

Query Match      100.0%; Score 282; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2e-263;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MASIGQLFWSIISIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db      1 MASIGQLFWSIISIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy      61 DIKLSDIVIOWKEGVLGLVHEFKGKDELSEQDEMPFRGRTAVFADQVIVGNASLRKNV 120
Db      61 DIKLSDIVIOWKEGVLGLVHEFKGKDELSEQDEMPFRGRTAVFADQVIVGNASLRKNV 120

Qy      121 QLTDAGTYKCYIIITSGKGNANLEYKTCGAFSPMEVNDYNASSETLRCEAPRWFPPTVV 180
Db      121 QLTDAGTYKCYIIITSGKGNANLEYKTCGAFSPMEVNDYNASSETLRCEAPRWFPPTVV 180

Qy      181 WASQVDQGANFSEVNSNTSFELNSENVTKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
Db      181 WASQVDQGANFSEVNSNTSFELNSENVTKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240

Qy      241 TESBIKRSHQLLNKASLCVSSFFAISWALLPLSPYMLK 282
Db      241 TESBIKRSHQLLNKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 11
US-09-989-732-291
Sequence 291, Application US/09989732
Patent No. US20020123463A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE: P2730P1C57
CURRENT APPLICATION NUMBER: US/09/989,732
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
```

;
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695

;
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09
;
Query Match 100.0%; Score 282; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2e-263;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MASLGQILFWSIIIIIIILAGATALLIIFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASLGQILFWSIIIIIIILAGATALLIIFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Qy 61 DIKLSDIVIQWLKEGVLGVHEFKGKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120
Db 61 DIKLSDIVIQWLKEGVLGVHEFKGKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120
Qy 121 QLTDTAGTYKCYIITSKGKNANLEYKTGAFSPMEPVNDYNASSETLCEAPRWFPOPTVV 180
Db 121 QLTDTAGTYKCYIITSKGKNANLEYKTGAFSPMEPVNDYNASSETLCEAPRWFPOPTVV 180
Qy 181 WASQVDOGANFSEVSNTSFELNSENVTMKVSVLVYNTINNTYSCMIENDIAKATGDIKV 240
Db 181 WASQVDOGANFSEVSNTSFELNSENVTMKVSVLVYNTINNTYSCMIENDIAKATGDIKV 240
Qy 241 TESEIKRRSHQLLNKSKASLCVSSFFAISWALLPLSPYMLK 282
Db 241 TESEIKRRSHQLLNKSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 12

US-09-991-073-291
; Sequence 291, Application US/09991073
; Patent No. US20020127576A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C15
CURRENT APPLICATION NUMBER: US/09/991,073
PRIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810

PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24

; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 282; DB 9; Length 282;

Best Local Similarity 100.0%; Pred. No. 2e-263;

Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASIGQLFWISIIIIILAGAIALLIIFGSGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASIGQLFWISIIIIILAGAIALLIIFGSGRHSITVTTVASAGNIGEDGILSCTFEP 60
Qy 61 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120
Db 61 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120
Qy 121 QLTDAGTYKCVIITSKGNANLEYKTAGFSMPENVVDYNASSETLRCEAPRFPPTVV 180
Db 121 QLTDAGTYKCVIITSKGNANLEYKTAGFSMPENVVDYNASSETLRCEAPRFPPTVV 180
Qy 181 WASQVDOGANFSEVSNSTSFELNSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
Db 181 WASQVDOGANFSEVSNSTSFELNSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
Qy 241 TESIERSHQLNLSKASLCVSSFFAISWALLPLSPYMLK 282
Db 241 TESIERSHQLNLSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 13

US-09-990-442-291

; Sequence 291, Application US/09990442

; Patent No. US20020132252A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Deenoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C8
; CURRENT APPLICATION NUMBER: US/09/990,442
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05

; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472

; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 282; DB 9; Length 282;

Best Local Similarity 100.0%; Pred. No. 2e-263;

Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASLGQILFWSIIISIIILAGATAIIIGFISGRHSITVTTVASAGNIGEDGILSCTPEP 60

Db 1 MASLGQILFWSIIISIIILAGATAIIIGFISGRHSITVTTVASAGNIGEDGILSCTPEP 60

Qy 61 DIKLSDIVIOMLKEGVLGVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120

Db 61 DIKLSDIVIOMLKEGVLGVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120

Qy 121 QLTDAGTYKCYIITSKGGNANLEYKTFGAFSMPVENVYDYNASSETLRCEAPRFPQPTVV 180

Db 121 QLTDAGTYKCYIITSKGGNANLEYKTFGAFSMPVENVYDYNASSETLRCEAPRFPQPTVV 180

Qy 181 WASQVDOGANFSEVSNVTSFELNSENVTMKVSVLYNTVNTTNTYSCMIENDIAKATGDIKV 240

Db 181 WASQVDOGANFSEVSNVTSFELNSENVTMKVSVLYNTVNTTNTYSCMIENDIAKATGDIKV 240

Qy 241 TSEIKRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMUK 282

Db 241 TSEIKRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMUK 282

RESULT 14

US-09-991-163-291

; Sequence 291, Application US/09991163

; Patent No. US20020132253A1

GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC17
; CURRENT APPLICATION NUMBER: US/09/991,163
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24

1	PRIOR APPLICATION NUMBER: 60/090431
2	PRIOR FILING DATE: 1998-06-24
3	PRIOR APPLICATION NUMBER: 60/090435
4	PRIOR FILING DATE: 1998-06-24
5	PRIOR APPLICATION NUMBER: 60/090444
6	PRIOR FILING DATE: 1998-06-24
7	PRIOR APPLICATION NUMBER: 60/090445
8	PRIOR FILING DATE: 1998-06-24
9	PRIOR APPLICATION NUMBER: 60/090472
10	PRIOR FILING DATE: 1998-06-24
11	PRIOR APPLICATION NUMBER: 60/090535
12	PRIOR FILING DATE: 1998-06-24
13	PRIOR APPLICATION NUMBER: 60/090540
14	PRIOR FILING DATE: 1998-06-24
15	PRIOR APPLICATION NUMBER: 60/090542
16	PRIOR FILING DATE: 1998-06-24
17	PRIOR APPLICATION NUMBER: 60/090557
18	PRIOR FILING DATE: 1998-06-24
19	PRIOR APPLICATION NUMBER: 60/090676
20	PRIOR FILING DATE: 1998-06-25
21	PRIOR APPLICATION NUMBER: 60/090678
22	PRIOR FILING DATE: 1998-06-25
23	PRIOR APPLICATION NUMBER: 60/090690
24	PRIOR FILING DATE: 1998-06-25
25	PRIOR APPLICATION NUMBER: 60/090694
26	PRIOR FILING DATE: 1998-06-25
27	PRIOR APPLICATION NUMBER: 60/090695
28	PRIOR FILING DATE: 1998-06-25
29	PRIOR APPLICATION NUMBER: 60/090696
30	PRIOR FILING DATE: 1998-06-25
31	PRIOR APPLICATION NUMBER: 60/091360
32	PRIOR FILING DATE: 1998-07-01
33	PRIOR APPLICATION NUMBER: 60/090862
34	PRIOR FILING DATE: 1998-06-26
35	PRIOR APPLICATION NUMBER: 60/090863
36	PRIOR FILING DATE: 1998-06-26
37	PRIOR APPLICATION NUMBER: 60/091360
38	PRIOR FILING DATE: 1998-07-01
39	PRIOR APPLICATION NUMBER: 60/091519
40	PRIOR FILING DATE: 1998-07-02
41	PRIOR APPLICATION NUMBER: 60/091626
42	PRIOR FILING DATE: 1998-07-02
43	PRIOR APPLICATION NUMBER: 60/091633
44	PRIOR FILING DATE: 1998-07-02
45	PRIOR APPLICATION NUMBER: 60/091978
46	PRIOR FILING DATE: 1998-07-07
47	PRIOR APPLICATION NUMBER: 60/091982
48	PRIOR FILING DATE: 1998-07-07
49	PRIOR APPLICATION NUMBER: 60/092182
50	PRIOR FILING DATE: 1998-07-09

	Query Match	100.0%	Score 282;	DB 9;	Length 282;
	Best Local Similarity	100.0%;	Pred. No. 2e-263;		
	Matches 282;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MASLGQILFWSIISIIII	LAGAIALIIIGFGISGRHSITVT	VASAGNIGEDGILSCTFEP	60
Db	1	MASLGQILFWSIISIIII	LAGAIALIIIGFGISGRHSITVT	VASAGNIGEDGILSCTFEP	60
Qy	61	DIKLSDTIVIOWLKEGVILGLVH	FEKGGKDELSEQDEMFRGRTAV	PADQVIVGNASLRKNV	120
Db	61	DIKLSDTIVIOWLKEGVILGLVH	FEKGGKDELSEQDEMFRGRTAV	PADQVIVGNASLRKNV	120
Qy	121	QLTDAGTYKCVIITSKGGKGNAN	LEYKTAGSMPEVVDYNASSSTL	RCEAPRWPQPTTV	180
Db	121	QLTDAGTYKCVIITSKGGKGNAN	LEYKTAGSMPEVVDYNASSSTL	RCEAPRWPQPTTV	180
Qy	181	WASOVDOGANFSEVNSITSFEL	SNVTMKVSVLYNYVTINNTYS	CMIENTIAKATGDIK	240
Db	181	WASOVDOGANFSEVNSITSFEL	SNVTMKVSVLYNYVTINNTYS	CMIENTIAKATGDIK	240

[illegible]

; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252

; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 282; DB 9; Length 282;

Best Local Similarity 100.0%; Pred. No. 2e-263;

Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASIGQLFWSIIIIIIILAGAIALLIIFGIGSRHSITVTTVASAGNIGEDGILSCTFEP 60

Db 1 MASIGQLFWSIIIIIIILAGAIALLIIFGIGSRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy 61 DIKLSDIVIOWLKEGVLGVHFEKKGKDELSEODEMFRGTAVFADQVIVGNASLRKNV 120

Db 61 DIKLSDIVIOWLKEGVLGVHFEKKGKDELSEODEMFRGTAVFADQVIVGNASLRKNV 120

Qy	121	QLTDAGTYKCYIIITSKGGKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRWFPQPTVV	180
Db	121	QLTDAGTYKCYIIITSKGGKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRWFPQPTVV	180
Qy	181	WASQVDOGANFSEVSNTSFELNSENVTMKVSVLYNVYTIINNTYSCMIENDIAKATGDIKV	240
Db	181	WASQVDOGANFSEVSNTSFELNSENVTMKVSVLYNVYTIINNTYSCMIENDIAKATGDIKV	240
Qy	241	TESEIKRRSHLQLLNKSKSLCVSSFFAISWALLPLSPYLMK	282
Db	241	TESEIKRRSHLQLLNKSKSLCVSSFFAISWALLPLSPYLMK	282

Search completed: April 19, 2005, 07:39:45
Job time : 77 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 19, 2005, 07:17:05 ; Search time 90 Seconds
(without alignments)
1211.849 Million cell updates/sec

Title: US-10-773-715-6

Perfect score: 282

Sequence: 1 MASLQILFWSIILIIILIA.....SSFFATSWALLPLSLVIMLK 282

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 2105692 seqs, 386760381 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0

Maximum DB seq length: 20000000000

Post-processing: Listing first 45 summaries

Database :

- 1: Geneseqp16Dec04.*
- 2: Geneseqp1980s.*
- 3: Geneseqp1990s.*
- 4: Geneseqp2000s.*
- 5: Geneseqp2001s.*
- 6: Geneseqp2002s.*
- 7: Geneseqp2003as.*
- 8: Geneseqp2003bs.*
- 9: Geneseqp2004s.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	282	100.0	282	3	AAY66719 Membrane-
2	282	100.0	282	3	Ab12557 Human ova
3	282	100.0	282	4	Aau29132 Human PRO
4	282	100.0	282	4	Aab87555 Human PRO
5	282	100.0	282	4	Aab99204 Human ova
6	282	100.0	282	4	Aab65242 Human PRO
7	282	100.0	282	5	Aae20311 Human B7-
8	282	100.0	282	5	Abg96445 Human ova
9	282	100.0	282	5	Aau77766 Tumour as
10	282	100.0	282	5	Abg95880 Human sec
11	282	100.0	282	5	Aau76536 Tumour-as
12	282	100.0	282	5	Abp30901 OBE prote
13	282	100.0	282	5	Abb76274 Breast BS
14	282	100.0	282	5	Aae18336 Human B7-
15	282	100.0	282	5	Abb09879 Amino aci
16	282	100.0	282	5	Aae19013 Human B7-
17	282	100.0	282	6	Abu58508 Human PRO
18	282	100.0	282	6	Abu88056 Novel hum
19	282	100.0	282	6	Abu84371 Human sec
20	282	100.0	282	6	Abf66245 Human sec
21	282	100.0	282	6	Abf65635 Human sec
22	282	100.0	282	6	Abu99575 Human sec
23	282	100.0	282	6	Abu58057 Human PRO
24	282	100.0	282	6	Abu59135 Novel hum
25	282	100.0	282	6	Abu82647 Human sec

26	282	100.0	282	6	ABU82814	Abu82814 Human PRO
27	282	100.0	282	6	ABU89935	Abu89935 Novel hum
28	282	100.0	282	6	ABR68184	AbR68184 Human sec
29	282	100.0	282	6	ABU60566	AbU60566 Human sec
30	282	100.0	282	6	ABU96237	AbU96237 Novel hum
31	282	100.0	282	6	ABU92668	AbU92668 Human sec
32	282	100.0	282	6	ABO08745	ABO08745 Human sec
33	282	100.0	282	6	ABO02797	ABO02797 Human sec
34	282	100.0	282	6	ABR74951	ABR74951 Human sec
35	282	100.0	282	6	ABR94713	ABR94713 Human sec
36	282	100.0	282	6	ABU13948	AbU13948 Human PRO
37	282	100.0	282	6	ABU85686	AbU85686 Human PRO
38	282	100.0	282	6	ABU98846	AbU98846 Novel hum
39	282	100.0	282	6	ABU98061	AbU98061 Novel hum
40	282	100.0	282	6	ABU91767	AbU91767 Human PRO
41	282	100.0	282	6	ABU89460	AbU89460 Human PRO
42	282	100.0	282	6	ABU86301	AbU86301 Human sec
43	282	100.0	282	6	ABU67514	AbU67514 Human sec
44	282	100.0	282	6	ABU80542	AbU80542 Human PRO
45	282	100.0	282	6	ABU72533	AbU72533 Novel hum

ALIGNMENTS

RESULT 1

AAY66719

ID AAY66719 standard; protein; 282 AA.

XX AAY66719;

XX 05-APR-2000 (first entry)

XX Membrane-bound protein PRO1291.

XX Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;

XX pharmaceutical; receptor immunoadhesin; gene mapping.

XX Homo sapiens.

XX WO9963088-A2.

XX 09-DEC-1999.

XX 02-JUN-1999; 99WO-US012252.

XX 02-JUN-1998; 98US-0087607P.

XX 02-JUN-1998; 98US-0087759P.

XX 03-JUN-1998; 98US-0087827P.

XX 04-JUN-1998; 98US-0088021P.

XX 04-JUN-1998; 98US-0088025P.

XX 04-JUN-1998; 98US-0088028P.

XX 04-JUN-1998; 98US-0088029P.

XX 04-JUN-1998; 98US-0088030P.

XX 04-JUN-1998; 98US-0088033P.

XX 05-JUN-1998; 98US-0088167P.

XX 05-JUN-1998; 98US-0088202P.

XX 05-JUN-1998; 98US-0088212P.

XX 05-JUN-1998; 98US-0088217P.

XX 09-JUN-1998; 98US-0088655P.

XX 10-JUN-1998; 98US-0088722P.

XX 10-JUN-1998; 98US-0088730P.

XX 10-JUN-1998; 98US-0088734P.

XX 10-JUN-1998; 98US-0088738P.

XX 10-JUN-1998; 98US-0088740P.

XX 10-JUN-1998; 98US-0088741P.

XX 10-JUN-1998; 98US-0088742P.

XX 10-JUN-1998; 98US-0088810P.

XX 10-JUN-1998; 98US-0088811P.

XX 10-JUN-1998; 98US-0088824P.

XX 10-JUN-1998; 98US-0088825P.

PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 12-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089599P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089947P.
PR 19-JUN-1998; 98US-0089948P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 23-JUN-1998; 98US-0090254P.
PR 23-JUN-1998; 98US-0090349P.
PR 23-JUN-1998; 98US-0090355P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090431P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090445P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090472P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090538P.
PR 24-JUN-1998; 98US-0090540P.
PR 25-JUN-1998; 98US-0090557P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090691P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 01-JUL-1998; 98US-0091358P.
PR 01-JUL-1998; 98US-0091360P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091519P.
PR 02-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091633P.
PR 02-JUL-1998; 98US-0091646P.
PR 02-JUL-1998; 98US-0091673P.
PR 07-JUL-1998; 98US-0091978P.
PR 07-JUL-1998; 98US-0091982P.
PR 10-JUL-1998; 98US-0092182P.
PR 20-JUL-1998; 98US-0092472P.
PR 30-JUL-1998; 98US-0093339P.
PR 04-AUG-1998; 98US-0094511P.
PR 04-AUG-1998; 98US-0095282P.
PR 04-AUG-1998; 98US-0095285P.
PR 04-AUG-1998; 98US-0095301P.
PR 04-AUG-1998; 98US-0095302P.
PR 04-AUG-1998; 98US-0095318P.
PR 04-AUG-1998; 98US-0095321P.
PR 04-AUG-1998; 98US-0095325P.
PR 10-AUG-1998; 98US-0095316P.

PR 10-AUG-1998; 98US-0095929P.
PR 10-AUG-1998; 98US-0096012P.
PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096768P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
PR 17-AUG-1998; 98US-0096895P.
PR 18-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096960P.
PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097951P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097978P.
PR 26-AUG-1998; 98US-0097979P.
PR 26-AUG-1998; 98US-0097986P.
PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 12-JAN-1999; 99US-0115565P.
XX
XX (GETH) GENENTECH INC.

Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;
Wood WI, Yuan J;

WPI; 2000-072883/06.
N-PSDB; AAZ65059.

Membrane-bound proteins and related nucleotide sequences.

Claim 12; Fig 208; 822pp; English.

XX The invention provides membrane-bound PRO polypeptides and
XX polynucleotides encoding them. The PRO sequences of the invention were
CC identified based on extracellular domain homology screening. The PRO
CC sequences have homology with proteins including LDL receptors, TIE
CC ligands and various enzymes. The membrane-bound proteins and receptor
CC molecules are useful as pharmaceutical and diagnostic agents. Receptor
CC immunoadhesins, for instance, can be used as therapeutic agents to block
CC receptor-ligand interactions. The membrane-bound proteins can also be
CC employed for screening of potential peptide or small molecule inhibitors
CC of the relevant receptor/ligand interaction. The PRO encoding sequences
CC are useful as hybridization probes, in chromosome and gene mapping and in
CC the generation of antisense RNA and DNA. PRO nucleic acid sequences will
CC also be useful for the preparation of PRO polypeptides, especially by
CC recombinant techniques

SQ Sequence 282 AA;

Query Match 100.0%; Score 282; DB 3; Length 282;

Best Local Similarity 100.0%; Pred. No. 2.8e-286;

Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MASLQQLFWSIISIIIIAGAIALLIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60

DB 1 MASLQQLFWSIISIIIIAGAIALLIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60

QY 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEODEMFRGRTAVFADQVIVGNASRLKNV 120
 DB 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEODEMFRGRTAVFADQVIVGNASRLKNV 120
 QY 121 QLTDAAGTYKCYIITSKKGANLEYKGTGAFSMPEVNVVDYNASSETLCEAPRWPPTVV 180
 DB 121 QLTDAAGTYKCYIITSKKGANLEYKGTGAFSMPEVNVVDYNASSETLCEAPRWPPTVV 180
 QY 181 WASQVDOGANFSEVSNSTSFELNSENVMTKVVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
 DB 181 WASQVDOGANFSEVSNSTSFELNSENVMTKVVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
 QY 241 TESEIKRRSHQLLNKSKASLCVSSFFAISWALLPLSPYMLK 282
 DB 241 TESEIKRRSHQLLNKSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 2
 AAB12557
 ID AAB12557 standard; protein; 282 AA.
 XX
 AC AAB12557;
 XX
 DT 07-NOV-2000 (first entry)
 XX
 DE Human ovarian carcinoma antigen O8E protein SEQ ID NO:393.
 XX
 KW Human; ovarian carcinoma; ovarian cancer; therapy; diagnosis;
 KW tumour antigen; identification; cytostatic; gene therapy; vaccine.
 XX
 OS Homo sapiens.
 XX
 PN WO200036107-A2.
 XX
 XX 22-JUN-2000.
 XX
 PF 17-DEC-1999; 99WO-US030270.
 XX
 PR 17-DEC-1998; 98US-00215681.
 PR 17-DEC-1998; 98US-00216003.
 PR 23-JUN-1999; 99US-00338933.
 PR 24-SEP-1999; 99US-00404879.
 XX
 XX (CORI-) CORIXA CORP.
 PA
 XX Mitcham JL, King GE, Algate PA, Frudakis TN;
 XX
 DR WPI; 2000-431589/37.
 XX
 PT Immunogenic portion of an ovarian carcinoma protein and the nucleic acid
 PT encoding it, useful for the diagnosis, prevention and treatment of
 PT cancer, preferably ovarian cancer.
 XX
 PS Example 2; Page 207; 299pp; English.
 XX
 CC The present invention describes an isolated polypeptide comprising an
 CC immunogenic portion of an ovarian carcinoma protein (or its variants).
 CC Ovarian carcinoma proteins, and polynucleotides encoding them, have
 CC cytostatic activity and can be used in gene therapy and vaccines. Ovarian
 CC carcinoma polypeptides, nucleic acids, antibodies and vaccines are useful
 CC for the prevention, diagnosis and treatment of cancer, preferably ovarian
 CC cancer. AAA69691 to AAA70077 and AAB12552 to AAB12557 represent human
 CC ovarian carcinoma polynucleotides and proteins used in the
 CC exemplification of the present invention
 XX
 SQ Sequence 282 AA;
 Query Match 100.0%; Score 282; DB 3; Length 282;
 Best Local Similarity 100.0%; Pred. No. 2,8e-286;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MASLGQILFWSIISIIILAGAIALIIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
 DB 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEODEMFRGRTAVFADQVIVGNASRLKNV 120
 DB 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEODEMFRGRTAVFADQVIVGNASRLKNV 120
 QY 121 QLTDAAGTYKCYIITSKKGANLEYKGTGAFSMPEVNVVDYNASSETLCEAPRWPPTVV 180
 DB 121 QLTDAAGTYKCYIITSKKGANLEYKGTGAFSMPEVNVVDYNASSETLCEAPRWPPTVV 180
 QY 181 WASQVDOGANFSEVSNSTSFELNSENVMTKVVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
 DB 181 WASQVDOGANFSEVSNSTSFELNSENVMTKVVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
 QY 241 TESEIKRRSHQLLNKSKASLCVSSFFAISWALLPLSPYMLK 282
 DB 241 TESEIKRRSHQLLNKSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 3
 AAU29132
 ID AAU29132 standard; protein; 282 AA.
 XX
 AC AAU29132;
 XX
 DT 18-DEC-2001. (first entry)
 XX
 DE Human PRO polypeptide sequence #109.
 XX
 KW PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;
 KW dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
 KW blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
 KW adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.
 XX
 OS Homo sapiens.
 XX
 PN WO200168848-A2.
 XX
 PD 20-SEP-2001.
 XX
 PF 28-FEB-2001; 2001WO-US006520.
 XX
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 03-MAR-2000; 2000US-0187202P.
 PR 06-MAR-2000; 2000US-0186968P.
 PR 14-MAR-2000; 2000US-0189320P.
 PR 14-MAR-2000; 2000US-0189328P.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 21-MAR-2000; 2000US-0190828P.
 PR 21-MAR-2000; 2000US-0191007P.
 PR 21-MAR-2000; 2000US-0191048P.
 PR 21-MAR-2000; 2000US-0191314P.
 PR 28-MAR-2000; 2000US-0192855P.
 PR 29-MAR-2000; 2000US-0193032P.
 PR 30-MAR-2000; 2000US-0193053P.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 04-APR-2000; 2000US-0194449P.
 PR 04-APR-2000; 2000US-0194647P.
 PR 11-APR-2000; 2000US-0195975P.
 PR 11-APR-2000; 2000US-0196000P.
 PR 11-APR-2000; 2000US-0196187P.
 PR 11-APR-2000; 2000US-0196690P.
 PR 11-APR-2000; 2000US-0196820P.
 PR 18-APR-2000; 2000US-0198121P.
 PR 18-APR-2000; 2000US-0198585P.
 PR 25-APR-2000; 2000US-0199397P.
 PR 25-APR-2000; 2000US-0199550P.
 PR 25-APR-2000; 2000US-0199654P.
 PR 03-MAY-2000; 2000US-0201516P.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.

PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015364.
 PR 05-JUN-2000; 2000US-0209832P.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 22-AUG-2000; 2000US-00644848.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000WO-US034956.
 XX
 PA (GETH) GENENTECH INC.
 XX
 XX Baker KP, Chen J, Deanoyers L, Goddard A, Godowski PJ, Gurney AL;
 PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
 XX
 DR WPI; 2001-602746/68.
 DR N-PSDB; AAS46033.
 XX
 PT Novel nucleic acids encoding PRO polypeptides, used to diagnose the
 PT presence of tumors, such as prostate and breast tumors, in mammals and to
 PT screen for modulators of the compounds.
 XX
 PS Claim 11; Fig 218; 774pp; English.
 XX
 CC Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.
 CC The PRO polypeptides and their associated nucleic acids can be used to
 CC detect the presence of a tumour in a mammal by comparing the level of
 CC expression of a PRO polypeptide in a test sample of cells from the animal
 CC and a control sample of normal cells, whereby a higher level of
 CC expression in the test sample indicates the presence of a tumour in the
 CC mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats
 CC and rabbits but are preferably human. The polypeptides can be used to
 CC stimulate tumour necrosis factor (TNF) alpha release from human blood,
 CC when contacted with it. A specific polypeptide can be used to stimulate
 CC the proliferation or differentiation of chondrocyte cells. The PRO
 CC proteins can be used to determine the presence of tumours and also
 CC susceptibility to tumour development, particularly adrenal, lung, colon,
 CC breast, prostate, cervical, or liver tumours, in mammalian
 CC subjects. The oligonucleotide probes specific for the PRO nucleic acids
 CC can be used for genetic analysis of individuals with genetic disorders
 XX
 XX Sequence 282 AA;
 SQ
 Query Match 100.0%; Score 282; DB 4; Length 282;
 Best Local Similarity 100.0%; Pred. No. 2.8e-286;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MASLGQLFWSIIISIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
 DB 1 MASLGQLFWSIIISIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
 QY 61 DIKLSDIVIOWLKEGVLGVLHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
 DB 61 DIKLSDIVIOWLKEGVLGVLHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
 QY 121 QLTDAAGTYKCYIITSGKGNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPRFPPTVV 180
 DB 121 QLTDAAGTYKCYIITSGKGNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPRFPPTVV 180
 QY 181 WASQVDQGANFSEVSNSTSPFELNSENVTKVSVLYXNVTINNTYSCMIENDIAKATGDIKV 240
 DB 181 WASQVDQGANFSEVSNSTSPFELNSENVTKVSVLYXNVTINNTYSCMIENDIAKATGDIKV 240
 QY 241 TESEIKRRSHLOLNKSKASCVSFFAISWALLPLSPYMLK 282
 DB 241 TESEIKRRSHLOLNKSKASCVSFFAISWALLPLSPYMLK 282
 RESULT 4
 AAB87555
 ID AAB87555 standard; protein; 282 AA.
 XX
 AC AAB87555;

XX 15-MAY-2001 (first entry)
 XX Human PRO1291.
 DE
 XX
 XX Human; PRO protein; mapping.
 XX
 OS Homo sapiens.
 XX
 XX WO200116318-A2.
 PN
 XX
 PD 08-MAR-2001.
 XX
 XX 24-AUG-2000; 2000WO-US023328.
 PF
 XX
 XX 01-SEP-1999; 99WO-US020111.
 PR 15-SEP-1999; 99WO-US021090.
 PR 07-DEC-1999; 99US-0169495P.
 PR 09-DEC-1999; 99US-0170262P.
 PR 11-JAN-2000; 2000US-0175481P.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 22-FEB-2000; 2000WO-US004342.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 03-MAR-2000; 2000US-0187202P.
 PR 21-MAR-2000; 2000US-0191007P.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 25-APR-2000; 2000US-0199397P.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 05-JUN-2000; 2000US-0209832P.
 XX
 XX (GETH) GENENTECH INC.
 PA
 XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
 PI Grimaldi CJ, Gurney AL, Watanabe CK, Wood WI;
 XX
 XX WPI; 2001-183260/18.
 DR N-PSDB; AAF92087.
 XX
 PT Eighty four nucleic acids encoding PRO polypeptides, useful in molecular
 PT biology, including use as hybridization probes, and in chromosome and
 PT gene mapping.
 XX
 XX Claim 12; Fig 60; 278pp; English.
 XX
 CC The present sequence is a human PRO polypeptide (secreted and
 CC transmembrane). The PRO protein, and PRO agonists, PRO antagonists or
 CC anti-PRO antibodies are useful for preparation of a medicament useful in
 CC the treatment of a condition which is responsive to the PRO protein,
 CC agonists, antagonists or anti-PRO antibodies. The PRO protein may also be
 CC employed as molecular weight markers for protein electrophoresis. The PRO
 CC coding sequence has applications in molecular biology, including use as
 CC hybridisation probes, and in chromosome and gene mapping
 XX
 XX Sequence 282 AA;
 SQ
 Query Match 100.0%; Score 282; DB 4; Length 282;
 Best Local Similarity 100.0%; Pred. No. 2.8e-286;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MASLGQLFWSIIISIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
 DB 1 MASLGQLFWSIIISIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
 QY 61 DIKLSDIVIOWLKEGVLGVLHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
 DB 61 DIKLSDIVIOWLKEGVLGVLHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
 QY 121 QLTDAAGTYKCYIITSGKGNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPRFPPTVV 180
 DB 121 QLTDAAGTYKCYIITSGKGNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPRFPPTVV 180
 QY 181 WASQVDQGANFSEVSNSTSPFELNSENVTKVSVLYXNVTINNTYSCMIENDIAKATGDIKV 240


```
Db 181 WASQVDOGAFSEVSNVTSFELNSENVTKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
Qy 241 TESIERSHQLNLNSKASLCVSSFFFAISWALLPLSPYMLK 282
Db 241 TESIERSHQLNLNSKASLCVSSFFFAISWALLPLSPYMLK 282

RESULT 5
AAB99204
ID AAB99204 standard; protein; 282 AA.
AC AAB99204;
XX
DT 04-SEP-2001 (first entry)
DE Human ovarian tumour-derived antigen O8E #1.
XX Cytostatic; human; breast tumour protein; breast cancer; ovarian tumour;
KW antigen; O8E.
XX Homo sapiens.
XX WO200140269-A2.
XX 07-JUN-2001.
XX 29-NOV-2000; 2000WO-US032520.
XX 30-NOV-1999; 99US-00451651.
XX 22-FEB-2000; 2000US-00510862.
XX 10-MAR-2000; 2000US-00523586.
XX 07-APR-2000; 2000US-00545068.
XX 15-MAY-2000; 2000US-00571025.
XX (CORI-) CORIXA CORP.
XX
PI Dallon DC, Day CH, Jiang Y, Houghton RL, Mitcham JL, Wang A;
XX WPI; 2001-356154/37.
XX N-PSDB; AAH55681.
XX
PT Breast tumor polypeptides and the nucleic acids that encode them, useful
PT for the prevention, diagnosis and treatment of breast cancer.
XX
PS Example 3; Page 190; 221pp; English.
XX
CC The present invention relates to human breast tumour protein coding
CC sequences (see AAH55479-AAH55513, AAH55517-AAH55679 and AAH55682-
CC AAH55762). The breast tumour protein DNA sequences may be used in the
CC prevention, diagnosis and treatment of diseases associated with
CC inappropriate expression of the breast tumour protein e.g. breast cancer.
CC The present sequence is a human ovarian tumour-derived antigen, which was
CC used in an example from the present invention
XX
SQ Sequence 282 AA;

Query Match 100.0%; Score 282; DB 4; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.8e-286;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASLGQILFWSIISIIILAGAIALLIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASLGQILFWSIISIIILAGAIALLIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy 61 DIKLSDIVIQWKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
Db 61 DIKLSDIVIQWKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120

Qy 121 QLTDAQTYKCVIIITSKGGKANLEYKTCGAFSMPEVNVNDYNASSETLRCEAPRWFPQPTVV 180
Db 121 QLTDAQTYKCVIIITSKGGKANLEYKTCGAFSMPEVNVNDYNASSETLRCEAPRWFPQPTVV 180
```

```
Qy 181 WASQVDOGAFSEVSNVTSFELNSENVTKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
Db 181 WASQVDOGAFSEVSNVTSFELNSENVTKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240

Qy 241 TESIERSHQLNLNSKASLCVSSFFFAISWALLPLSPYMLK 282
Db 241 TESIERSHQLNLNSKASLCVSSFFFAISWALLPLSPYMLK 282

RESULT 6
AAB65242
ID AAB65242 standard; protein; 282 AA.
XX
AC AAB65242;
XX
DT 02-APR-2001 (first entry)
DE Human PRO1291 (UNQ659) protein sequence SEQ ID NO:291.
XX
KW Human; secreted and transmembrane protein; PRO; cytotstatic; cell death;
KW cancer; chromosomal mapping; gene mapping; tissue typing;
KW diagnostic assay.
XX Homo sapiens.
XX WO2000073454-A1.
XX 07-DEC-2000.
XX 30-MAR-2000; 2000WO-US008439.
XX 02-JUN-1999; 99WO-US012252.
XX 23-JUN-1999; 99US-0141037P.
XX 07-JUL-1999; 99US-0143048P.
XX 20-JUL-1999; 99US-0144758P.
XX 26-JUL-1999; 99US-0145698P.
XX 28-JUL-1999; 99US-0146222P.
XX 17-AUG-1999; 99US-0149396P.
XX 15-SEP-1999; 99WO-US021090.
XX 08-OCT-1999; 99US-0158663P.
XX 30-NOV-1999; 99WO-US028313.
XX 01-DEC-1999; 99WO-US028301.
XX 16-DEC-1999; 99WO-US030095.
XX 20-DEC-1999; 99WO-US030911.
XX 05-JAN-2000; 2000WO-US000219.
XX 06-JAN-2000; 2000WO-US000376.
XX 11-FEB-2000; 2000WO-US003565.
XX 18-FEB-2000; 2000WO-US004341.
XX 22-FEB-2000; 2000WO-US004414.
XX 24-FEB-2000; 2000WO-US004914.
XX 02-FEB-2000; 2000WO-US005004.
XX 15-MAR-2000; 2000WO-US005841.
XX 20-MAR-2000; 2000WO-US006884.
XX 20-MAR-2000; 2000WO-US007377.
XX (GETH ) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Borstein D, Desnoyers L, Eaton DL;
XX Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
XX Grimaldi CJ, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;
XX Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
XX Zhang Z;
XX WPI; 2001-032160/04.
XX N-PSDB; AAF44205.
XX
PT PRO polynucleotides used to produce polypeptides used to target bioactive
PT molecules such as toxins, radiolabels or antibodies, to specific cells,
PT to cause targeted cell death.
XX Claim 12; Fig 208; 935pp; English.
XX
```

CC The present invention describes human secreted and transmembrane PRO
 CC proteins. The PRO proteins have cytotostatic activity. The PRO proteins can
 CC be used for targeted delivery of bioactive molecules, such as toxins,
 CC radiolabels or antibodies, that cause cell death. PRO nucleotide
 CC sequences, and their fragments, can be used as hybridisation probes, in
 CC chromosomal and gene mapping, and in the generation of anti-sense RNA and
 CC DNA. They may also be used to produce transgenic animals which are used
 CC to develop and screen therapeutically useful reagents. The PRO nucleotide
 CC and protein sequence can be used for tissue typing and in treating
 CC cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to
 CC AAF44470 represent PCR primers and hybridisation probes used in the
 CC isolation of human PRO sequences. AAF44087 to AAF44269 and AAB65154 to
 CC AAB65300 represent human PRO polynucleotide and protein sequences given
 CC in the exemplification of the present invention

XX Sequence 282 AA;

Query Match 100.0%; Score 282; DB 4; Length 282;
 Best Local Similarity 100.0%; Pred. No. 2.8e-286;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASLGQLFWSIIISIIILAGAIALLIIGFISGRHSITVTVASAGNIGEDGILSCTFEP 60
 Db |||||
 Qy 1 MASLGQLFWSIIISIIILAGAIALLIIGFISGRHSITVTVASAGNIGEDGILSCTFEP 60
 Db |||||
 Qy 61 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEODEMFRGTAVFADQVIVGNASRLKNV 120
 Db |||||
 Qy 61 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEODEMFRGTAVFADQVIVGNASRLKNV 120
 Db |||||
 Qy 121 QLTDAGTYKCYIITSKGNANLEYKTFGAFSMPVNVVDYNASSETLRCEAPRFPQPTVV 180
 Db |||||
 Qy 121 QLTDAGTYKCYIITSKGNANLEYKTFGAFSMPVNVVDYNASSETLRCEAPRFPQPTVV 180
 Db |||||
 Qy 181 WASQVQGANFSEVSNVTSFELNSNTVMKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
 Db |||||
 Qy 181 WASQVQGANFSEVSNVTSFELNSNTVMKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
 Db |||||
 Qy 241 TESEIKRRSHQLLNKASLCVSSFFAISWALLPLSPYLMK 282
 Db |||||
 Qy 241 TESEIKRRSHQLLNKASLCVSSFFAISWALLPLSPYLMK 282
 Db |||||

RESULT 7

AAE20311

ID AAE20311 standard; protein; 282 AA.

XX AAE20311;

XX 18-JUN-2002 (first entry)

XX Human B7-H8 protein #1.

XX Human; B7-like protein; inflammation; tissue damage; immune disorder;
 KW Addison's disease; autoimmune haemolytic anaemia; autoimmune thyroiditis;
 KW diabetes mellitus; Crohn's disease; multiple sclerosis; allergy; cancer;
 KW rheumatoid arthritis; cardiovascular disorder; nervous system disorder;
 KW myocardial ischaemia; ulcerative colitis; reproductive system disorder;
 KW Alzheimer's disease; Parkinson's disease; endocrine disorder; hepatitis;
 KW diabetes mellitus; Grave's disease; Paget's disease; liver disorder;
 KW gastrointestinal disorder; irritable bowel syndrome; cerebral anoxia;
 KW dysphagia; hepatomegaly; neurological disease; infectious disease;
 KW epilepsy; gene therapy; B7-H8 protein; chromosome 1.

OS Homo sapiens.

XX Key Location/Qualifiers

XX Peptide 1..24

XX /label= Signal_peptide

XX Protein 25..282

XX /note= "Mature B7-H8 protein"

XX WO200202587-A1.

XX

PD 10-JAN-2002.

XX 29-JUN-2001; 2001WO-US020917.

XX 30-JUN-2000; 2000US-0215135P.

XX 14-AUG-2000; 2000US-0225266P.

XX (HUMA-) HUMAN GENOME SCI INC.

XX Fiscella M, Ni J, Ruben SM;

XX WPI; 2002-257198/30.

XX N-PSDB; AAD32519.

XX Isolated nucleic acids encoding human B7-like polypeptides, useful for

XX diagnosis and treatment of e.g. inflammation, cancer, immune disorders

XX such as Addison's disease, and cardiovascular disorders such as

XX myocardial ischemias.

XX Example 1; Fig 1; 493pp; English.

XX The present invention relates to novel human B7-like polypeptides and

XX polynucleotides encoding such proteins. Sequences of the invention are

XX used for preventing, treating or ameliorating a medical condition in a

XX mammalian subject. The polynucleotides and polypeptides are administered

XX to subjects having a disorder related to B-7 Like polypeptides, such as

XX inappropriate or excessive inflammation which can lead to tissue damage

XX of certain cells in the body e.g. T cells and may involve disorders

XX related to immune system. The nucleic acids, proteins, antibodies,

XX agonists and antagonists of the invention are useful in the diagnosis,

XX treatment and prevention of cancer (e.g. cancers of the adrenal gland,

XX bone, bone marrow, breast, gastrointestinal tract, liver, urogenital or

XX lung), immune disorders (e.g., Addison's disease, allergies, autoimmune

XX haemolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's

XX disease, multiple sclerosis, rheumatoid arthritis, ulcerative colitis),

XX cardiovascular disorders (e.g., myocardial ischaemia), nervous system

XX disorders (Alzheimer's disease, Parkinson's disease), endocrine disorders

XX (e.g., cryptorchism, Paget's disease), gastrointestinal disorders (e.g.,

XX dysphagia, irritable bowel syndrome), liver disorders (e.g., hepatitis,

XX hepatomegaly), neurological diseases (e.g., cerebral anoxia and epilepsy)

XX and infectious diseases such as viral, bacterial, fungal and parasitic

XX infections. Sequences of the invention are also used in gene therapy. The

XX present sequence is human B7-H8 protein. B7-H8 gene is located on

XX chromosome 1

XX Sequence 282 AA;

XX Query Match 100.0%; Score 282; DB 5; Length 282;

XX Best Local Similarity 100.0%; Pred. No. 2.8e-286;

XX Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASLGQLFWSIIISIIILAGAIALLIIGFISGRHSITVTVASAGNIGEDGILSCTFEP 60

Db |||||

Qy 61 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEODEMFRGTAVFADQVIVGNASRLKNV 120

Db |||||

Qy 121 QLTDAGTYKCYIITSKGNANLEYKTFGAFSMPVNVVDYNASSETLRCEAPRFPQPTVV 180

Db |||||

Qy 181 WASQVQGANFSEVSNVTSFELNSNTVMKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240

Db |||||

Qy 241 TESEIKRRSHQLLNKASLCVSSFFAISWALLPLSPYLMK 282

Db |||||

RESULT 8
ABG96445
ID ABG96445 standard; protein; 282 AA.
XX
XX AC ABG96445;
XX
DT 11-DEC-2002 (first entry)
XX DE Human ovarian cancer marker OV88.
XX
XX Human; ovarian cancer; marker; cancer; familial history; brain disorder;
KW central nervous system disorder; bacterial meningitis; viral meningitis;
KW Alzheimer's disease; Parkinson's disease; cerebral edema; hydrocephalus;
KW brain herniation; inflammation; encephalitis; testicular disorder;
KW nontuberculous granulomatous orchitis; connective tissue disorder;
KW heart disorder; ischaemic heart disease; atherosclerosis; neoplasm;
KW histological type; carcinogenic; ovarian cancer marker.
XX
OS Homo sapiens.
XX
XX WO200271928-A2.
XX
XX 19-SEP-2002.
XX
XX 14-MAR-2002; 2002WO-US007826.
XX
XX 14-MAR-2001; 2001US-0276025P.
PR 14-MAR-2001; 2001US-0276026P.
PR 10-AUG-2001; 2001US-0311732P.
PR 19-SEP-2001; 2001US-0323580P.
PR 26-SEP-2001; 2001US-0324967P.
PR 26-SEP-2001; 2001US-0325102P.
PR 26-SEP-2001; 2001US-0325149P.
XX
XX (MILL-) MILLENNIUM PHARM INC.
XX
XX Monahan JE, Gannavarapu M, Hoersch S, Kamatkar S, Kovatis SG;
PI Meyers RE, Morrissey MP, Olandt PJ, Sen A, Vieby PO, Mills GB;
PI Bast RC, Lu K, Schmandt RE, Zhao X, Glatt K;
XX
XX WPI: 2002-723277/78.
DR N-PSDB; ABS76544.
XX
XX Assessing whether a patient is afflicted with ovarian cancer, useful in
PT assessing the stage or progression of the disease, comprises comparing
PT the expression level of a cancer marker in a sample from a patient and
PT from a non cancer patient.
XX
XX Disclosure; Page 468-469; 481pp; English.
XX
XX The present invention relates to a new method for assessing whether a
CC patient is afflicted with ovarian cancer. The method involves comparing
CC the expression level of a marker in a patient sample and the normal level
CC of expression of the marker in a control non-ovarian cancer sample, where
CC the marker is selected from 363 cancer markers described in the
CC characterising cancer, in detecting the presence of cancer as early as
CC possible, and the recurrence of ovarian cancer. The method may also be of
CC particular use with patients having an enhanced risk of developing
CC ovarian cancer (e.g. patients having a familial history of ovarian
CC cancer). The cancer markers may be used in the management and treatment
CC of e.g. brain and central nervous system disorders (e.g. bacterial and
CC viral meningitis, Alzheimer's disease or Parkinson's disease), brain
CC disorders (e.g. cerebral edema, hydrocephalus or brain herniations),
CC inflammations (e.g. bacterial or viral meningitis or encephalitis),
CC testicular disorders (e.g. nontuberculous granulomatous orchitis),
CC connective tissue disorders, or heart disorders (e.g. ischaemic heart
CC disease or atherosclerosis). The compositions and methods may also be
CC used in assessing the histological type of neoplasm associated with
CC ovarian cancer, monitoring the progression of ovarian cancer, determining
CC whether ovarian cancer has metastasized or is likely to metastasize,
CC selecting a composition for inhibiting ovarian cancer, assessing the

CC ovarian carcinogenic potential of a compound, or inhibiting ovarian
CC cancer or at risk of developing ovarian cancer. The present amino acid
CC sequence represents one of the ovarian cancer markers described in the
CC invention
XX
SQ Sequence 282 AA;
Query Match 100.0%; Score 282; DB 5; Length 282;
Best Local Similarity 100.0%; Pred. NO. 2.8e-286;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 1 MASIGQLFWSIISIIILAGATALLIIFGIGSRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASIGQLFWSIISIIILAGATALLIIFGIGSRHSITVTTVASAGNIGEDGILSCTFEP 60
Oy 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEODEMFRGRTAVFADQVIVGNASLRLKNV 120
Db 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEODEMFRGRTAVFADQVIVGNASLRLKNV 120
Oy 121 QLTDAQTYKCYIITSKGGNANLEYKTGAFSPMEVNVVDYNASSETLRCEAPRWPPTTV 180
Db 121 QLTDAQTYKCYIITSKGGNANLEYKTGAFSPMEVNVVDYNASSETLRCEAPRWPPTTV 180
Oy 181 WASQVDOGANFSEVSNSTSFELNSENVTMKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
Db 181 WASQVDOGANFSEVSNSTSFELNSENVTMKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
Oy 241 TESEIKRSHQLLNKSKSLCVSFFAISWALLPLSPYLMLK 282
Db 241 TESEIKRSHQLLNKSKSLCVSFFAISWALLPLSPYLMLK 282
RESULT 9
AAU77766
ID AAU77766 standard; protein; 282 AA.
XX
XX AC AAU77766;
XX
DT 05-JUN-2002 (first entry)
XX
XX Tumour associated antigenic target polypeptide (TAT) 136.
XX
XX Tumour associated antigenic target polypeptide; TAT; cancer;
KW breast cancer; colorectal cancer; lung cancer; ovarian cancer;
KW central nervous system cancer; liver cancer; bladder cancer;
KW pancreatic cancer; cervical cancer; melanoma; leukaemia; TAT136.
XX
XX Homo sapiens.
XX
XX FH Key Location/Qualifiers
FT Peptide 1..28
FT Protein /label= Signal_peptide
FT /label= Mature_TAT136
FT /note= "tumour associated antigenic target polypeptide"
FT Region 52..58
FT /label= N-myristoylation_site
FT Region 112..116
FT /label= N-glycosylation_site
FT Domain 119..123
FT /label= Immunoglobulin_domain
FT Region 126..132
FT /label= N-myristoylation_site
FT Region 160..164
FT /label= N-glycosylation_site
FT Region 188..194
FT /label= N-myristoylation_site
FT Region 190..194
FT /label= N-glycosylation_site
FT Region 196..200
FT /label= N-glycosylation_site
FT Region 205..209
FT /label= N-glycosylation_site

FT Region 216..220
 FT /label= N-glycosylation_site
 FT Region 220..224
 FT /label= N-glycosylation_site
 FT Domain 258..282
 FT /label= Transmembrane_domain

XX WO200216581-A2.

XX 28-FEB-2002.

XX 14-AUG-2001; 2001WO-US025464.

XX 24-AUG-2000; 2000WO-US023328.

XX 28-FEB-2001; 2001WO-US006520.

XX 22-JUN-2001; 2001US-00888257.

XX 22-JUN-2001; 2001WO-US020118.

XX (GETH) GENENTECH INC.

XX Gao W, Polakis P, Shou J, Smith V, Soriano R, Williams PM;

XX WPI; 2002-280928/32.

XX N-PSDB; ABK11744.

XX Novel isolated antibody which binds to tumor-associated antigenic target
 FT polypeptide useful for killing cancer cells expressing the polypeptide
 FT and for treating tumor comprising cells that expresses the polypeptide.

XX Claim 2; Fig 8; 123pp; English.

XX The invention describes an isolated antibody which binds to a tumour-
 CC associated antigenic target (TAT) polypeptide. The antibody is useful
 CC for: killing a cancer cell (such as a breast, colorectal, lung, ovarian,
 CC central nervous system, liver, bladder, pancreatic, cervical, melanoma or
 CC leukaemia cell) that expresses a polypeptide with at least 80% identity
 CC to the TAT polypeptide sequence; treating a tumour comprising cells that
 CC express a polypeptide with at least 80% identity to the TAT polypeptide
 CC sequence; determining the presence of a polypeptide having at least 80 %
 CC identity to the TAT polypeptide sequence in a sample suspected of
 CC containing the polypeptide; diagnosing the presence of a tumour in a
 CC mammal, and for antibody dependent enzyme mediated prodrug therapy
 CC (ADEPT). This is the amino acid sequence of the tumour associated
 CC antigenic target polypeptide (TAT) 136, described in the invention

XX SQ Sequence 282 AA;

Query Match 100.0%; Score 282; DB 5; Length 282;
 Best Local Similarity 100.0%; Pred. No. 2.8e-286; Mismatches 0; Indels 0; Gaps 0;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASLGQLFWSIIISIIILAGATAIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Db 1 MASLGQLFWSIIISIIILAGATAIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEQDEMFRGTAVFADQVIIVGNASRLKNV 120

Db 61 DIKLSDIVIOWLKEGVGLVHEFKEGKDELSEQDEMFRGTAVFADQVIIVGNASRLKNV 120

Qy 121 QLTDAGTYKCYIITSKGGNANLEYKTFGAFSMPEVNVVDYNASSETLRCEAPRFPQPTVV 180

Db 121 QLTDAGTYKCYIITSKGGNANLEYKTFGAFSMPEVNVVDYNASSETLRCEAPRFPQPTVV 180

Qy 181 WASQVDQGANFSEVSNSTFELNSENVTKVSVLYNVYNTYNTYSCMIENDIAKATGDIKV 240

Db 181 WASQVDQGANFSEVSNSTFELNSENVTKVSVLYNVYNTYNTYSCMIENDIAKATGDIKV 240

Qy 241 TSEIKRSHLQLNLSKASLCVSSFFAISWALLPLSPYLMK 282

Db 241 TSEIKRSHLQLNLSKASLCVSSFFAISWALLPLSPYLMK 282

RESULT 10
 ABG95880
 ID ABG95880 standard; protein; 282 AA.
 XX AC ABG95880;
 XX DT 10-DEC-2002 (first entry)
 XX DE Human secreted/transmembrane protein PRO1291.

XX Human; secreted protein; transmembrane protein; antirheumatic;
 KW antiarthritic; osteopathic; sports-related joint problem;
 KW articular cartilage defect; osteoarthritis; rheumatoid arthritis.

XX Homo sapiens.

XX US2002119130-A1.

XX 29-AUG-2002.

XX 06-DEC-2001; 2001US-00006867.

XX 29-OCT-1997; 97US-0063435P.

XX 29-OCT-1997; 97US-0064215P.

XX 22-APR-1998; 98US-0082797P.

XX 29-APR-1998; 98US-0083495P.

XX 15-MAY-1998; 98US-0085579P.

XX 02-JUN-1998; 98US-0087759P.

XX 04-JUN-1998; 98US-0088021P.

XX 04-JUN-1998; 98US-0088029P.

XX 10-JUN-1998; 98US-0088030P.

XX 10-JUN-1998; 98US-0088734P.

XX 10-JUN-1998; 98US-0088740P.

XX 10-JUN-1998; 98US-0088811P.

XX 10-JUN-1998; 98US-0088824P.

XX 11-JUN-1998; 98US-0088825P.

XX 12-JUN-1998; 98US-0088863P.

XX 12-JUN-1998; 98US-0089105P.

XX 16-JUN-1998; 98US-0089514P.

XX 17-JUN-1998; 98US-0089653P.

XX 19-JUN-1998; 98US-0089952P.

XX 22-JUN-1998; 98US-0090246P.

XX 24-JUN-1998; 98US-0090444P.

XX 25-JUN-1998; 98US-0090688P.

XX 25-JUN-1998; 98US-0090896P.

XX 26-JUN-1998; 98US-0090862P.

XX 02-JUL-1998; 98US-0091628P.

XX 10-AUG-1998; 98US-0096012P.

XX 17-AUG-1998; 98US-0096757P.

XX 18-AUG-1998; 98US-0096949P.

XX 18-AUG-1998; 98US-0096959P.

XX 26-AUG-1998; 98US-0097954P.

XX 26-AUG-1998; 98US-0097971P.

XX 01-SEP-1998; 98US-0098749P.

XX 10-SEP-1998; 98US-0099741P.

XX 10-SEP-1998; 98US-0099763P.

XX 10-SEP-1998; 98US-0099792P.

XX 10-SEP-1998; 98US-0099812P.

XX 16-SEP-1998; 98US-0100627P.

XX 16-SEP-1998; 98US-0100662P.

XX 16-SEP-1998; 98US-0100627P.

XX 17-SEP-1998; 98US-0100684P.

XX 17-SEP-1998; 98US-0100684P.

XX 22-SEP-1998; 98US-0101279P.

XX 23-SEP-1998; 98US-0101475P.

XX 24-SEP-1998; 98US-0101738P.

XX 24-SEP-1998; 98US-0101743P.

XX 24-SEP-1998; 98US-0101916P.

XX 30-SEP-1998; 98US-0102570P.

XX 06-OCT-1998; 98US-0103449P.

FT Modified-site 205..209 /note= "Asn is N-glycosylated"
 FT Modified-site 216..220 /note= "Asn is N-glycosylated"
 FT Modified-site 220..224 /note= "Asn is N-glycosylated"
 FT Domain 258..281 /note= "Transmembrane domain"
 XX WO200216429-A2.
 XX 28-FEB-2002.
 XX 22-JUN-2001; 2001WO-US020118.
 XX 24-AUG-2000; 2000WO-US023328.
 XX 26-SEP-2000; 2000US-0235451P.
 XX 01-DEC-2000; 2000WO-US032678.
 XX 28-FEB-2001; 2001WO-US006520.
 XX 01-MAR-2001; 2001WO-US006666.
 XX (GETH) GENENTECH INC.
 XX Goddard A, Godowski PJ, Gurney AL, Hillan KJ, Polakis P, Smith V;
 XX Wood WI, Wu TD, Zhang Z;
 XX WPI; 2002-280917/32.
 XX N-PSDB; ABK11091.
 XX Novel isolated tumor-associated antigenic target polypeptides which are
 XX useful as targets for cancer therapy and diagnosis in mammals.
 XX Claim 12; Fig 8; 12pp; English.
 XX The invention relates to an isolated tumour-associated antigenic target
 XX polypeptide (TAT) (I), specifically TAT134-TAT138 polypeptides, and the
 XX polynucleotides (II) encoding them. (II) is useful for diagnosing the
 XX presence of a tumour in a mammal, where the level of expression of (II)
 XX is indicative of the presence of tumour in the mammal from which the test
 XX sample was obtained. Antibody to (I) is useful for killing a cancer cell
 XX (e.g. breast cancer cell, a colorectal cancer cell, a lung cancer cell,
 XX an ovarian cancer cell, a central nervous system (CNS) cancer cell, a
 XX liver cancer cell, a bladder cancer cell, a pancreatic cancer cell, a
 XX melanoma cell or a leukaemia cell) that expresses (I). Oligonucleotides
 XX hybridising to (II) are useful as diagnostic probes, antisense
 XX oligonucleotide probes or for encoding fragments of full length TAT
 XX polypeptide. (II) is also useful in chromosome and gene mapping and in
 XX the generation of antisense RNA and DNA probes, for constructing
 XX hybridisation probes for mapping the gene encoding TAT and for genetic
 XX analysis of individuals with genetic disorders. (II) is also useful for
 XX generating either transgenic animals or knockout animals, and in gene
 XX therapy. The TAT polypeptides and nucleic acids may also be used for
 XX tissue typing and the TAT polypeptides are useful for screening compounds
 XX that mimic the TAT polypeptide (agonist) or prevent the effect of TAT
 XX polypeptide (antagonist). The antibody is useful for staging TAT
 XX polypeptide-expressing cancers, purifying or immunoprecipitating TAT
 XX polypeptide from cells, for detection and quantitation of TAT polypeptide
 XX in vitro, e.g., in an enzyme linked immunosorbent assay (ELISA) or
 XX western blot. The antibodies are also useful for treating a TAT-
 XX expressing cancer or alleviating one or more symptoms of cancer in a
 XX mammal. The present sequence represents the amino acid sequence of TAT136
 XX
 SQ Sequence 282 AA;
 Query Match 100.0%; Score 282; DB 5; Length 282;
 Best Local Similarity 100.0%; Pred. No. 2.8e-286;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MASLGQLFWISIIIIILAGALIIIGFISGRHSITVTTVASAGNIGDGLSCTFEP 60
 Db 1 MASLGQLFWISIIIIILAGALIIIGFISGRHSITVTTVASAGNIGDGLSCTFEP 60
 QY 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEQDEMFRGTAVFADQVIVGNASLRKNV 120

Db 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEQDEMFRGTAVFADQVIVGNASLRKNV 120
 QY 121 QLTDAQTYKCYIIITSKGGKGNANLEYKTFGAFSMPEVNVYDNASSETLRCEAPRFPQPTVV 180
 Db 121 QLTDAQTYKCYIIITSKGGKGNANLEYKTFGAFSMPEVNVYDNASSETLRCEAPRFPQPTVV 180
 QY 181 WASQVDOGANFSEVSNSTSFELNSENTVMKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
 Db 181 WASQVDOGANFSEVSNSTSFELNSENTVMKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
 QY 241 TESEIKRSHLQLLNKSKASLCVSSFPAISWALLPLSPYLMLK 282
 Db 241 TESEIKRSHLQLLNKSKASLCVSSFPAISWALLPLSPYLMLK 282
 RESULT 12
 ABP30901
 ID ABP30901 standard; protein; 282 AA.
 XX AC ABP30901;
 XX 02-JUL-2002 (first entry)
 DT OSE protein #2.
 DE Human; immunostimulant; cytostatic; cancer; ovarian carcinoma.
 XX Homo sapiens.
 XX WO200206317-A2.
 XX 24-JAN-2002.
 XX 17-JUL-2001; 2001WO-US022635.
 XX 17-JUL-2000; 2000US-00617747.
 XX 10-AUG-2000; 2000US-00636801.
 XX 20-SEP-2000; 2000US-00667857.
 XX 04-APR-2001; 2001US-00827271.
 XX 18-JUN-2001; 2001US-00884441.
 XX (CORI-) CORIXA CORP.
 XX Mitcham JL, King GE, Algate PA, Fling SP, Retter MW, Fanger GR;
 XX Reed SG, Vedvick TS, Carter D, Hill P, Albome E;
 XX WPI; 2002-164781/21.
 XX N-PSDB; ABN72971.
 XX Polypeptides comprising an immunogenic portion of an ovarian carcinoma
 XX protein or its variants, useful for stimulating an immune response in a
 XX patient and treating ovarian cancer.
 XX Claim 34; Page 321-322; 408pp; English.
 XX This invention relates to polypeptides comprising an immunogenic portion
 XX of an ovarian carcinoma protein which acts as an immunostimulant and is
 XX cytostatic. The polypeptides, polynucleotides, antibodies, fusion
 XX proteins, T cell populations and antigen presenting cells that express
 XX the polypeptides are useful for stimulating an immune response in a
 XX patient and treating ovarian cancer. This sequence represents protein
 XX related to the invention
 XX
 SQ Sequence 282 AA;
 Query Match 100.0%; Score 282; DB 5; Length 282;
 Best Local Similarity 100.0%; Pred. No. 2.8e-286;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MASLGQLFWISIIIIILAGALIIIGFISGRHSITVTTVASAGNIGDGLSCTFEP 60
 Db 1 MASLGQLFWISIIIIILAGALIIIGFISGRHSITVTTVASAGNIGDGLSCTFEP 60
 QY 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEQDEMFRGTAVFADQVIVGNASLRKNV 120

(AMGE-) AMGEN INC.
Fox M, Sullivan JK, Fang M;
WPI; 2002-171639/22.
N-PSDB; AAD29253.
Novel B7-like polypeptides, polynucleotides and their modulators useful
for prevention and treatment of reproductive, immune and proliferative
disorders, e.g. cancer, arteriosclerosis.
Claim 13; Fig 1A-1B; 133pp; English.
The present invention relates to an isolated B7-like (B7-L) polypeptide
and its polynucleotide. B7-1 and its modulators are useful for treating
reproductive disorders (e.g. infertility, miscarriage, preterm labour and
delivery and endometriosis) and proliferative disorders. Antibodies,
soluble proteins comprising extracellular domains and other regulators of
B7-L are useful for enhancing the immune response to tumours. B7-1 plays
a role in growth and maintenance of cancer cells based on the observation
of seminal vesicle hyperplasia in transgenic mice overexpressing B7-1.
Modulators of B7-1 are useful for the treatment of cancer e.g. seminal
vesicle, lung, brain, breast, ovarian, testicular cancer and cancers of
haematopoietic system. B7-1 and their modulators are useful to treat
autoimmune diseases such as systemic lupus erythematosus, rheumatoid
arthritis, immune thrombocytopenic purpura and psoriasis, chronic
inflammatory disease such as inflammatory bowel disease (Crohn's disease
and ulcerative colitis), Grave's disease, Hashimoto's thyroiditis and
diabetes mellitus. They are also useful as immunosuppressive agents for
bone marrow and organ transplantation or to prolong graft survival.
Modulators of B7-L are also useful for diagnosis and treatment of
diseases involving abnormal cell proliferation, arteriosclerosis and
vascular restenosis. Soluble B7-L serves as vaccine adjuvants.
Antagonists of B7-L are useful for alleviation of toxic shock syndrome or
allo sensitization due to blood transfusions, and for treatment of
multiple sclerosis, allergy, asthma and hypersensitivity reactions,
nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and
pemphigoid), endocrinopathies, various pneumopathies, vasculopathies, and
celiac disease, anaemia, thrombocytopenia, Gullain-Barre syndrome and
myasthenia gravis, and lymphoproliferative disorders such as multiple
myeloma. B7-L gene is useful in gene therapy and to map the locations of
B7-L gene and related genes on chromosomes, as hybridisation probes in
diagnostic assays, for isolating corresponding chromosomal B7-L genes,
and to identify heritable tissue-degenerating diseases. The present
sequence is human B7-L protein
Sequence 282 AA;
Query Match 100.0%; Score 282; DB 5; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.8e-286; Mismatches 0; Indels 0; Gaps 0;
Matches 282; Conservative 0;
QY 1 MASLGQLFWSIIISIIILAGAIITGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASLGQLFWSIIISIIILAGAIITGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
QY 61 DIKLSDIVIQWKEGVLGVHEPKGKDELSEQDEMFRGTAVFADQVIVGNASLRKNV 120
Db 61 DIKLSDIVIQWKEGVLGVHEPKGKDELSEQDEMFRGTAVFADQVIVGNASLRKNV 120
QY 121 QLTDAGTYKCYIITSKGNANLEYKTGAFSPMEVNVVDYNASSETLRCEAPRFPQPTVV 180
Db 121 QLTDAGTYKCYIITSKGNANLEYKTGAFSPMEVNVVDYNASSETLRCEAPRFPQPTVV 180
QY 181 WASQVDGANGFSEVNSFPELSENVTMKVSVLVYVNTYNTSCMIENDIAKATGDIKV 240
Db 181 WASQVDGANGFSEVNSFPELSENVTMKVSVLVYVNTYNTSCMIENDIAKATGDIKV 240
QY 241 TSEIKRSHLOJLNKASICVSSFFAISWALLPLSPYMLK 282
Db 241 TSEIKRSHLOJLNKASICVSSFFAISWALLPLSPYMLK 282

RESULT 15
ABB09879
ID ABB09879 standard; protein; 282 AA.
XX
AC ABB09879;
XX
DT 30-JUL-2002 (first entry)
XX
DE Amino acid sequence of the OREO gene (gene B).
XX
KW Human; gene A; ovarian tumour; gene B; OREO; ovarian cancer.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT Domain 12..31
FT /note= "predicted transmembrane domain"
FT Domain 46..145
FT /note= "predicted Ig domain"
FT Modified-site 112
FT /note= "N-glycosylation site"
FT Modified-site 160
FT /note= "N-glycosylation site"
FT Modified-site 190
FT /note= "N-glycosylation site"
FT Modified-site 196
FT /note= "N-glycosylation site"
FT Modified-site 205
FT /note= "N-glycosylation site"
FT Modified-site 216
FT /note= "N-glycosylation site"
FT Modified-site 220
FT /note= "N-glycosylation site"
XX
WO200194641-A2.
XX
PN 13-DEC-2001.
XX
PD 11-JUN-2001; 2001WO-US018700.
XX
PR 09-JUN-2000; 2000US-0210451P.
XX
PA (IDEC-) IDEC PHARM CORP.
XX
PI Ople E, McLachlan K, Heard C;
XX
DR WPI; 2002-404365/43.
DR N-PSDB; ABL56582.
XX
PT New polynucleotide and corresponding antigens from human ovarian cancer
PT cells, useful for treatment and diagnosis of ovarian cancer.
XX
PS Claim 12; Fig 7b; 71pp; English.
XX
CC The present sequence represents a protein designated OREO. The OREO (Ople
CC RPA of Epithelial Tissue vs. Ovary tumour) gene is a novel gene, also
CC designated gene B. This gene was identified by representational
CC difference analysis (RDA) screening, and is selectively expressed by
CC certain human ovarian tumours. The specification also describes gene A,
CC identified by the same method. Gene A and B polynucleotides are useful
CC for detecting ovarian cancer. Their polypeptides are useful for treating
CC ovarian cancer
XX
SQ Sequence 282 AA;
Query Match 100.0%; Score 282; DB 5; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.8e-286;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MASLGQLFWSIIISIIILAGAIITGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASLGQLFWSIIISIIILAGAIITGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy	61	DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV	120
Db	61	DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV	120
Qy	121	QLTDAGTYKCYIITSKGKGANLEYKTGAFSPMEVNVVDYNASSETLRCEAPRWFPOPTVV	180
Db	121	QLTDAGTYKCYIITSKGKGANLEYKTGAFSPMEVNVVDYNASSETLRCEAPRWFPOPTVV	180
Qy	181	WASQVDOGANFSEVSNTSFELNSENVTMKVSVLYNVVTINNTYSCMIENDIAKATGDIKV	240
Db	181	WASQVDOGANFSEVSNTSFELNSENVTMKVSVLYNVVTINNTYSCMIENDIAKATGDIKV	240
Qy	241	TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYMLK	282
Db	241	TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYMLK	282

Search completed: April 19, 2005, 07:31:43
Job time : 92 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 19, 2005, 07:17:40 ; Search time 83 Seconds
(without alignments)
1739.835 Million cell updates/sec

Title: US-10-773-715-6
Perfect score: 282
Sequence: 1 MASLGILFWSIIIIILA.....SSFFAISWALLPLSPYMLMX 282

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 1612378 seqs, 512079187 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1612378

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : UniProt_03.*

- 1: uniprot_sprot.*
- 2: uniprot_trembl.*

*Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	282	100.0	282	2 QZ7D3	QZ7D3 homo sapien
2	228	80.9	282	2 Q9H6B2	Q9H6B2 homo sapien
3	187	66.3	187	2 Q6P097	Q6P097 homo sapien
4	61	21.6	283	2 Q8K091	Q8K091 mus musculu
5	61	21.6	283	2 Q7TPH5	Q7TPH5 mus musculu
6	61	21.6	283	2 Q7TSP5	Q7TSP5 mus musculu
7	8	2.8	84	2 Q9B8D0	Q9B8D0 candida alb
8	8	2.8	106	2 Q8HXD1	Q8HXD1 macaca fasc
9	8	2.8	106	2 Q997X0	Q997X0 clostridium
10	8	2.8	118	2 Q6V1Y6	Q6V1Y6 pagrus najo
11	8	2.8	129	2 Q862X1	Q862X1 bos taurus
12	8	2.8	141	2 Q66334	Q66334 unidentified
13	8	2.8	145	2 Q862L6	Q862L6 bos taurus
14	8	2.8	153	2 Q68F82	Q68F82 xenopus tro
15	8	2.8	164	2 Q8C2K0	Q8C2K0 mus musculu
16	8	2.8	165	1 RL12_BOVIN	P61284 bos taurus
17	8	2.8	165	1 RL12_HUMAN	P30050 homo sapien
18	8	2.8	165	1 RL12_MOUSE	P35979 mus musculu
19	8	2.8	165	1 RL12_NEUCR	Q9C285 neurospora
20	8	2.8	165	1 RL12_RAT	P23358 rattus norv
21	8	2.8	165	2 Q608B6	Q608B6 homo sapien
22	8	2.8	165	2 Q6QM27	Q6QM27 chinchilla
23	8	2.8	165	2 Q66GW1	Q66GW1 xenopus lae
24	8	2.8	165	2 Q6DRB6	Q6DRB6 brachydanio
25	8	2.8	165	2 Q7ZUG1	Q7ZUG1 brachydanio
26	8	2.8	165	2 Q6AVW0	Q6AVW0 xenopus lae
27	8	2.8	167	2 Q90YV6	Q90YV6 italcurus p
28	8	2.8	172	2 Q7US11	Q7US11 rhodopireli
29	8	2.8	174	2 Q7Q0Y7	Q7Q0Y7 anopheles g
30	8	2.8	191	2 Q6QAS5	Q6QAS5 sus scrofa
31	8	2.8	218	2 Q6DI58	Q6DI58 mus musculu

32	8	2.8	261	2 Q82UT7	Q82UT7 nitrosomona
33	8	2.8	279	2 Q7U3C8	Q7U3C8 synechococc
34	8	2.8	279	2 Q7V3T7	Q7V3T7 prochloroco
35	8	2.8	282	2 Q839V3	Q839V3 enterococcu
36	8	2.8	299	1 HTPX_STRMU	Q93d93 streptococc
37	8	2.8	314	2 Q92TF9	Q92TF9 rhizobium m
38	8	2.8	370	1 YGP9_YEAST	P53110 saccharomyc
39	8	2.8	430	2 Q6ADS0	Q6ADS0 leifsonia x
40	8	2.8	564	2 Q6CWZ2	Q6CWZ2 kluyveromyc
41	8	2.8	569	2 Q7U9Z8	Q7U9Z8 synechococc
42	8	2.8	575	1 HEMA_P11HW	P16071 human parai
43	8	2.8	575	2 Q573I0	O57310 human parai
44	8	2.8	575	2 Q06992	Q06992 human parai
45	8	2.8	575	2 Q77Z22	Q77Z22 recombinant

ALIGNMENTS

RESULT 1
QZ7D3
ID QZ7D3 PRELIMINARY; PRT; 282 AA.
AC QZ7D3;
DT 01-OCT-2003 (TrEMBLrel. 25, Created)
DT 01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT 25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE Immune costimulatory protein B7-H4 (T cell costimulatory molecule B7x) (B7h.5).
DE NCBI_TaxID=9606;
GN Name=B7-H4; ORFNames=UNQ659;
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Sica G.L., Choi I.-H., Zhu G., Tamada K., Wang S.-D., Tamura H., Chapoval A.I., Flies D.B., Bajorath J., Chen L.;
RL Submitted (APR-2003) to the EMBL/GenBank/DBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=22833980; PubMed=12920180; DOI=10.1073/pnas.1434299100;
RA Zang X., Loke P., Kim J., Murphy K., Waitz R., Allison J.P.;
RT "B7x: a widely expressed B7 family member that inhibits T cell activation.";
RL Proc. Natl. Acad. Sci. U.S.A. 100:10388-10392(2003).
RN [3]
RP SEQUENCE FROM N.A.
RX MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;
RA Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J., Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P., Eaton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S., Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J., Lewis L., Liao D., Mark M., Robbie E., Sanchez C., Schoenfeld J., Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vegts A., Vanden R., Watanabe C., Wiedand D., Woods K., Xie M.H., Yansura D., Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I., Godowski P.;
RT "The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment.";
RL Genome Res. 13:2265-2270(2003).
RN [4]
RP SEQUENCE FROM N.A.
RX TISSUE=Brain;
MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Straubeberg R.L., Feingold E.A., Grouse L.H., Derge J.G., Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D., Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F., Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L., Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., Brownstein M.J., Udén T.B., Toshiyuki S., Carninci P., Prange C., Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullighy S.J.,

RA Boesak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
 RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
 RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
 RA Faney J., Helton E., Kettaman M., Madan A., Rodrigues S., Sanchez A.,
 RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
 RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
 RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
 RA Krzywinski M.I., Skalska U., Smallus D.E., Schnerch A., Schein J.E.,
 RA Jones S.J., Marra M.A.;
 RA "Generation and initial analysis of more than 15,000 full-length human
 RT and mouse cDNA sequences";
 RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903 (2002).
 RN [5]
 RP SEQUENCE FROM N.A.
 RC TISSUE=Brain;
 RA Director MGC Project;
 RL Submitted (JUN-2004) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AY280972; AAB37283.1; -
 DR EMBL; AY346100; AAQ24206.1; -
 DR EMBL; AY358352; AAQ88718.1; -
 DR EMBL; BC074729; AAH74729.1; -
 DR HSP; Q63345; 1PKO.
 DR InterPro; IPR007110; Ig-like.
 DR Pfam; PF00047; Ig; 1.
 DR PROSITE; PS50835; IG LIKE; 2.
 SQ SEQUENCE 282 AA; 30878 MW; 1C9C565A9242E78C CRC64;

Query Match 100.0%; Score 282; DB 2; Length 282;
 Best Local Similarity 100.0%; Pred. No. 5.6e-286;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASIGQILFWSIIIIIIILAGAIALLIIGFISGRHSITVTVASAGNIGDGLSCTFEP 60
 Db 1 MASIGQILFWSIIIIIIILAGAIALLIIGFISGRHSITVTVASAGNIGDGLSCTFEP 60

Qy 61 DIKLSDIVIQWLKEGVLGVHFEKGDSEQDEMFRGRTAVFADQVIVGNASLRKNV 120
 Db 61 DIKLSDIVIQWLKEGVLGVHFEKGDSEQDEMFRGRTAVFADQVIVGNASLRKNV 120

Qy 121 QLTDAQYKCYIITSKGGNANLEYKGTGAFSMPEVNVYDYNASSETLRCEAPRFPQPTVV 180
 Db 121 QLTDAQYKCYIITSKGGNANLEYKGTGAFSMPEVNVYDYNASSETLRCEAPRFPQPTVV 180

Qy 181 WASQVQDQANFSEVNTSFELNSENVTKVSVLYNVYNTINNTYSCMIENDIAKATGDIKV 240
 Db 181 WASQVQDQANFSEVNTSFELNSENVTKVSVLYNVYNTINNTYSCMIENDIAKATGDIKV 240

Qy 241 TESIIRKSHQLNLSKASLCVSSFFFAISWALLPLSPYMLK 282
 Db 241 TESIIRKSHQLNLSKASLCVSSFFFAISWALLPLSPYMLK 282

RESULT 2
 Q9H6B2
 ID Q9H6B2 PRELIMINARY; PRT; 282 AA.
 AC Q9H6B2;
 DT 01-MAR-2001 (TrEMBLrel. 16, Created)
 DT 01-MAR-2001 (TrEMBLrel. 16; Last sequence update)
 DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
 DE Hypothetical protein FLJ22418.
 OS Homo sapiens (Human).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 OX NCBI_TaxID=9606;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC TISSUE=Prostate;
 RA Kawabata A., Hiki J., Kobatake N., Inagaki H., Ikema Y., Okamoto S.,
 RA Okitani R., Ota T., Suzuki Y., Ohayashi M., Nishi T., Shibahara T.,
 RA Tanaka T., Nakamura Y., Isegai T., Sugano S.;
 RL Submitted (AUG-2000) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AK026071; BAB15349.1; -
 DR HSP; Q63345; 1PKO.
 DR InterPro; IPR003599; Ig.

DR InterPro; IPR007110; Ig-like.
 DR SMART; SM00409; IG; 1
 DR PROSITE; PS50835; IG LIKE; 2.
 SQ SEQUENCE 282 AA; 30893 MW; 6F9066999A1E9DB4 CRC64;

Query Match 80.9%; Score 228; DB 2; Length 282;
 Best Local Similarity 100.0%; Pred. No. 1.7e-229;
 Matches 228; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 55 SCTFEPDIKLSDIVIQWLKEGVLGVHFEKGDSEQDEMFRGRTAVFADQVIVGNAS 114
 Db 55 SCTFEPDIKLSDIVIQWLKEGVLGVHFEKGDSEQDEMFRGRTAVFADQVIVGNAS 114

Qy 115 LRLKNVQLTDAGTYKCYIITSKGGNANLEYKGTGAFSMPEVNVYDYNASSETLRCEAPRWF 174
 Db 115 LRLKNVQLTDAGTYKCYIITSKGGNANLEYKGTGAFSMPEVNVYDYNASSETLRCEAPRWF 174

Qy 175 PQPTVWASQVQDQANFSEVNTSFELNSENVTKVSVLYNVYNTINNTYSCMIENDIAKA 234
 Db 175 PQPTVWASQVQDQANFSEVNTSFELNSENVTKVSVLYNVYNTINNTYSCMIENDIAKA 234

Qy 235 TGDIKVTESEIKRSHQLNLSKASLCVSSFFFAISWALLPLSPYMLK 282
 Db 235 TGDIKVTESEIKRSHQLNLSKASLCVSSFFFAISWALLPLSPYMLK 282

RESULT 3
 Q6P097
 ID Q6P097 PRELIMINARY; PRT; 187 AA.
 AC Q6P097;
 DT 05-JUL-2004 (TrEMBLrel. 27, Created)
 DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
 DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
 DE B7-H4 protein.
 GN Name=B7-H4;
 OS Homo sapiens (Human).
 OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 OX NCBI_TaxID=9606;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC TISSUE=Prostate;
 RX MEDLINE=22398257; PubMed=12477932; DOI=10.1073/pnas.242603899;
 RA Strausberg R.L., Feingold E.A., Grouse L.H., Dege J.G.,
 RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
 RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
 RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Heish F.,
 RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
 RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
 RA Brownstein M.J., Udín T.B., Toshiyuki S., Carninci P., Prange C.,
 RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullaby S.J.,
 RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
 RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
 RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
 RA Fahey J., Helton E., Kettaman M., Madan A., Rodrigues S., Sanchez A.,
 RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
 RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
 RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
 RA Krzywinski M.I., Skalska U., Smallus D.E., Schnerch A., Schein J.E.,
 RA Jones S.J., Marra M.A.;
 RT "Generation and initial analysis of more than 15,000 full-length human
 RT and mouse cDNA sequences";
 RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903 (2002).
 RN [2]
 RP SEQUENCE FROM N.A.
 RC TISSUE=Prostate;
 RA Strausberg R.;
 RL Submitted (JAN-2004) to the EMBL/GenBank/DBJ databases.
 DR EMBL; BC065717; AAB65717.1; -
 DR InterPro; IPR007110; Ig-like.
 DR PROSITE; PS50835; IG LIKE; 1.
 SQ SEQUENCE 187 AA; 20743 MW; 9AED6155AED4E63 CRC64;

Query Match 66.3%; Score 187; DB 2; Length 187;
Best Local Similarity 100.0%; Pred. No. 9.4e-187;
Matches 187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 96 MFRGRTAVFADQVIVGNASRLKXVQLTDAGTYKCYIITSKGKNANLEYKTAFAFSPFV 155
Db 1 MFRGRTAVFADQVIVGNASRLKXVQLTDAGTYKCYIITSKGKNANLEYKTAFAFSPFV 60

Qy 156 NVDYNASSETLRCBAPRWFPQPTVWASQVDOGANFSEVSNTPFELNSVNTSKVSVLY 215
Db 61 NVDYNASSETLRCBAPRWFPQPTVWASQVDOGANFSEVSNTPFELNSVNTSKVSVLY 120

Qy 216 NVNTINNTYSCMIENDIAKATGDIKVTSEIKRRSHLQLLNSKASLCVSSPFAISWALLPL 275
Db 121 NVNTINNTYSCMIENDIAKATGDIKVTSEIKRRSHLQLLNSKASLCVSSPFAISWALLPL 180

Qy 276 SPYLMK 282
Db 181 SPYLMK 187

RESULT 4
Q8K091 PRELIMINARY; PRT; 283 AA.
AC Q8K091
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE Immune costimulatory protein B7-H4.
GN Name=BC032925;
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Uterus;
RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strauberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Haieh F.,
RA Datchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.B., Scheetz T.E.,
RA Brownstein M.J., Udén T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahney J., Helton E., Kettelman M., Madan A., Rodrigues S., Sanchez A.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA Jones S.J., Marra M.A.;
RT "Generation and initial analysis of more than 15,000 full-length human
and mouse cDNA sequences.";
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN [2]
RP SEQUENCE FROM N.A.
RC TISSUE=Uterus;
RA Strauberg R.;
RL Submitted (JUN-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC032925; AAH32925.1; -;
DR HSP; Q63345; LPKO
DR MGD; MGI:3039619; BC032925.
DR InterPro; IPR003599; Ig.
DR SMART; SM00409; IG; 1.
DR PROSITE; PS00835; IG LIKE; 2.
SQ SEQUENCE 283 AA; 30801 MW; 7E5817417323453B CRC64;

Query Match 21.6%; Score 61; DB 2; Length 283;

Best Local Similarity 100.0%; Pred. No. 9e-55;
Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 181 WASQVDOGANFSEVSNTPFELNSVNTSKVSVLYNTINNTYSCMIENDIAKATGDIKV 240
Db 181 WASQVDOGANFSEVSNTPFELNSVNTSKVSVLYNTINNTYSCMIENDIAKATGDIKV 240

Qy 241 T 241
Db 241 T 241

RESULT 5
Q7TPH5 PRELIMINARY; PRT; 283 AA.
AC Q7TPH5
DT 01-OCT-2003 (TrEMBLrel. 25, Created)
DT 01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT 01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE B7S1.
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22703430; PubMed=12818166; DOI=10.1016/S1074-7613(03)00147-X;
RA Prasad D.V., Richards S., Mai X.M., Dong C.;
RT "B7S1, a novel B7 family member that negatively regulates T cell
activation.";
RL Immunity 18:863-873(2003).
DR EMBL; AY322147; AAP8965.1; -;
DR HSP; Q63345; LPKO.
DR InterPro; IPR003599; Ig.
DR SMART; SM00409; IG; 1. Ig-like.
DR PROSITE; PS00835; IG LIKE; 2.
SQ SEQUENCE 283 AA; 30847 MW; A97F17461857850B CRC64;

Query Match 21.6%; Score 61; DB 2; Length 283;
Best Local Similarity 100.0%; Pred. No. 9e-55;
Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 181 WASQVDOGANFSEVSNTPFELNSVNTSKVSVLYNTINNTYSCMIENDIAKATGDIKV 240
Db 181 WASQVDOGANFSEVSNTPFELNSVNTSKVSVLYNTINNTYSCMIENDIAKATGDIKV 240

Qy 241 T 241
Db 241 T 241

RESULT 6
Q7TSP5 PRELIMINARY; PRT; 283 AA.
AC Q7TSP5
DT 01-OCT-2003 (TrEMBLrel. 25, Created)
DT 01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE Immune costimulatory protein B7-H4 (T cell costimulatory molecule
B7x).
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=BALB/c;
RA Sica G.L., Choi I.-H., Zhu G., Tamada K., Wang S.-D., Tamura H.,
RA Chapoval A.I., Flies D.B., Bajorath J., Chen L.;
RL Submitted (APR-2003) to the EMBL/GenBank/DBJ databases.
RN [2]
RP SEQUENCE FROM N.A.

RC STRAIN=FVB/N;
RX MEDLINE=22833980; PubMed=12920180; DOI=10.1073/pnas.1434299100;
RA Zang X., Loke P., Kim J., Murphy K., Waitz R., Allison J.P.;
RT "B7x: a widely expressed B7 family member that inhibits T cell
activation.";
RL Proc. Natl. Acad. Sci. U.S.A. 100:10388-10392(2003).
DR EMBL; AY280973; AAP37284.1; -;
DR EMBL; AY346099; AAQ24205.1; -;
DR HSSP; Q63345; 1PKO.
DR InterPro; IPR007110; IG-like.
DR PROSITE; PS50835; IG LIKE; 2.
SQ SEQUENCE 283 AA; 30875 MW; 7B2F174618578519 CRC64;

Query Match 21.6%; Score 61; DB 2; Length 283;
Best Local Similarity 100.0%; Pred. No. 9e-55;
Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 181 WASQVDOGAFSEVNSTFELNSENVTKVSVLYNVYNTTSCMIENDIAKATGDIKV 240
DB |||||
QY 181 WASQVDOGAFSEVNSTFELNSENVTKVSVLYNVYNTTSCMIENDIAKATGDIKV 240
DB |||||
QY 241 T 241
DB 241 T 241

RESULT 7
Q9B8D0 PRELIMINARY; PRT; 84 AA.
AC Q9B8D0;
DT 01-JUN-2001 (TReMBLrel. 17, Created)
DT 01-OCT-2003 (TReMBLrel. 25, Last sequence update)
DT 01-MAR-2004 (TReMBLrel. 26, Last annotation update)
DE NADH dehydrogenase subunit 4L.
GN Name=NAD4L;
OS Candida albicans SC5314.
OC Mitochondrion.
OC Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
OC Saccharomycetales; mitosporic Saccharomycetales; Candida.
OX NCBI_TaxID=237561;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=SC5314;
RX MEDLINE=21142511; PubMed=11208783; DOI=10.1128/JB.183.3.865-872.2001;
RA Anderson J.B., Wickens C., Khan M., Cowen L.E., Federspiel N.,
RA Jones T., Kohn L.M.;
RT "Infrequent genetic exchange and recombination in the mitochondrial
genome of Candida albicans.";
RL J. Bacteriol. 183:865-872(2001).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN=SC5314;
RA Federspiel N.A., Jones T., Scherer S., Hansen N., Bivolarevic V.,
RA Huizar L., Komp C., Surzycki R., Tamse R., Altafi H., Aparicio A.M.,
RA Araujo R., Au M., Aviles Campo F., Bruno D., Conn L., Faulkner D.,
RA Gurjal M., Kalman S., Kurdi O., Smith M., Allen E., Marziali A.,
RA Glukhov S., Proctor M., Thorstenson Y., Willis T.D., Davis R.W.;
RL Submitted (JUL-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF285261; AAG59596.2; -;
DR GO; GO:0005739; C:mitochondrion; IEA.
DR GO; GO:0008137; F:NADH dehydrogenase (ubiquinone) activity; IEA.
DR GO; GO:0006120; P:mitochondrial electron transport, NADH to u. . .; IEA.
DR InterPro; IPR001133; Oxidored4L.
DR InterPro; IPR003214; Oxidored4L.
DR Pfam; PF00420; Oxidored_q2; 1.
DR ProDom; PD000359; Oxidred4L; 1.
KW Mitochondrion.
SQ SEQUENCE 84 AA; 9220 MW; 16C2093CACE79CD3 CRC64;

Query Match 2.8%; Score 8; DB 2; Length 84;
Best Local Similarity 100.0%; Pred. No. 8.3;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 IIIILAGA 22
DB 54 IIIILAGA 61

RESULT 8
Q8HXD1 PRELIMINARY; PRT; 106 AA.
AC Q8HXD1;
DT 01-MAR-2003 (TReMBLrel. 23, Created)
DT 01-MAR-2003 (TReMBLrel. 23, Last sequence update)
DT 01-MAR-2003 (TReMBLrel. 23, Last annotation update)
DE Hypothetical protein.
OS Macaca fascicularis (Crab eating macaque) (Cynomolgus monkey).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Cercopitheidae;
OC Cercopitheidae; Macaca.
OX NCBI_TaxID=9541;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Frontal lobe left;
RX MEDLINE=21458551; PubMed=11574149; DOI=10.1016/S0378-1119(01)00665-5;
RA Osada N., Hida M., Kusuda J., Tanuma R., Iseki K., Hirata M., Suto Y.,
RA Hirai M., Terao K., Suzuki Y., Sugano S., Hashimoto K.;
RT "Assignment of 118 novel cDNAs of cynomolgus monkey brain to human
chromosomes.";
RL Gene 275:31-37(2001).
RN [2]
RP SEQUENCE FROM N.A.
RC TISSUE=Frontal lobe left;
RA Hashimoto K., Osada N., Hida M., Kusuda J., Sugano S.;
RL Submitted (OCT-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AB093659; BAC21633.1; -;
KW Hypothetical protein.
SQ SEQUENCE 106 AA; 11676 MW; 6F6420F390EA53C3 CRC64;

Query Match 2.8%; Score 8; DB 2; Length 106;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 38 TVTWTVASA 45
DB 28 TVTWTVASA 35

RESULT 9
Q897X0 PRELIMINARY; PRT; 106 AA.
AC Q897X0;
DT 01-JUN-2003 (TReMBLrel. 24, Created)
DT 01-JUN-2003 (TReMBLrel. 24, Last sequence update)
DT 01-MAR-2004 (TReMBLrel. 26, Last annotation update)
DE Putative transcriptional regulator (Padr family).
GN Name=padr; OrderedLocNames=CTC00601;
OS Clostridium tetani.
OC Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae;
OC Clostridium.
OX NCBI_TaxID=1513;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=Massachusetts / E88;
RX MEDLINE=22457253; PubMed=12552129; DOI=10.1073/pnas.0335853100;
RA Brueggemann H., Baguer S., Fricke W.F., Wierzer A., Liesegang H.,
RA Decker I., Herzberg C., Martinez-Arias R., Merkl R., Henne A.,
RA Gortschalk G.;
RT "The genome sequence of Clostridium tetani, the causative agent of
tetanus disease.";
RL Proc. Natl. Acad. Sci. U.S.A. 100:1316-1321(2003).
DR EMBL; AE015938; AAC35216.1; -;
DR InterPro; IPR005149; Padr.
DR InterPro; IPR009058; Wing_hlx_DNA_bnd.
DR Pfam; PF03551; Padr; 1.
KW Complete proteome.

SQ SEQUENCE 106 AA; 12356 MW; 2D2ECFC628204CDF CRC64;

Query Match 2.8%; Score 8; DB 2; Length 106;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 85 EKGDELSE 92
Db 81 EKGDELSE 98
|||||

RESULT 10

Q6YIY6 PRELIMINARY; PRT; 118 AA.

ID Q6YIY6
AC Q6YIY6
DT 05-JUL-2004 (TrEMBLrel. 27, Created)
DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE Ribosomal protein L12 (Fragment).
OS Pegrus major (Red sea bream) (Chrysophrys major).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
OC Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes; Percoidae;
OC Sparidae; Pegrus.
OX NCBI_TaxID=143350;
[1]
RN SEQUENCE FROM N.A.
RP TISSUE=Spleen;
RA Chen S.L., Xu M.Y.;
RL Submitted (DEC-2002) to the EMBL/GenBank/DBJ databases.
CC -!- SIMILARITY: Belongs to the ribosomal protein L12P family.
DR EMBL; AY190964; AAC92747.1; -.
DR GO; GO:0005840; C:ribosome; IEA.
DR GO; GO:0003735; P:structural constituent of ribosome; IEA.
DR GO; GO:0006412; P:protein biosynthesis; IEA.
DR InterPro; IPR000911; Ribosomal_L12.
DR Pfam; PF00298; Ribosomal_L12; 1.
DR SMART; SMO0649; RL11; 1.
KW Ribonucleoprotein; Ribosomal protein.
FT NON_TER 118
SQ SEQUENCE 118 AA; 12908 MW; 5C7A2F03D2DDA8FD CRC64;

Query Match 2.8%; Score 8; DB 2; Length 118;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 230 DIAKATGD 237
Db 15 DIAKATGD 22
|||||

RESULT 11

Q862X1 PRELIMINARY; PRT; 129 AA.

ID Q862X1
AC Q862X1
DT 01-JUN-2003 (TrEMBLrel. 24, Created)
DT 01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE Similar to ribosomal protein L12 (Fragment).
OS Bos taurus (Bovine).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
OC Bovinae; Bos.
OX NCBI_TaxID=9913;
[1]
RN SEQUENCE FROM N.A.
RP MEDLINE=22544902; PubMed=12658628; DOI=10.1002/mrd.10292;
RX Ishiwata H., Katsuma S., Kizaki K., Patel O.V., Nakano H.,
RA Takahashi T., Inai K., Hirasawa A., Shiojima S., Ikawa H., Suzuki Y.,
RA Tsujimoto G., Izaike Y., Todoroki J., Hashizume K.;
RT "Characterization of gene expression profiles in early bovine pregnancy using a custom cDNA microarray.";

RL Mol. Reprod. Dev. 65:9-18(2003).
CC -!- SIMILARITY: Belongs to the ribosomal protein L12P family.
DR EMBL; AB098784; BAC56320.1; -.
DR GO; GO:0005840; C:ribosome; IEA.
DR GO; GO:0003735; P:structural constituent of ribosome; IEA.
DR GO; GO:0006412; P:protein biosynthesis; IEA.
DR InterPro; IPR000911; Ribosomal_L12.
DR Pfam; PF00298; Ribosomal_L12; 1.
DR Pfam; PF03946; Ribosomal_L12_N; 1.
DR SMART; SMO0649; RL11; 1.
DR PROSITE; PS00359; RIBOSOMAL_L12; 1.
KW Ribonucleoprotein; Ribosomal protein.
FT NON_TER 129
SQ SEQUENCE 129 AA; 14127 MW; B9F90F265C3EC763 CRC64;

Query Match 2.8%; Score 8; DB 2; Length 129;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 230 DIAKATGD 237
Db 9 DIAKATGD 16
|||||

RESULT 12

O66334 PRELIMINARY; PRT; 141 AA.

ID O66334
AC O66334
DT 01-AUG-1998 (TrEMBLrel. 07, Created)
DT 01-AUG-1998 (TrEMBLrel. 07, Last sequence update)
DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE Alpha subunit of dinitrogenase reductase (Fe protein) (Fragment).
GN Name=nifH;
OS unidentified nitrogen-fixing bacteria.
OC Bacteria.
OX NCBI_TaxID=34107;
[1]
RN SEQUENCE FROM N.A.
RP MEDLINE=20011231; PubMed=10543805;
RX Okuma M., Noda S., Kudo T.;
RT "Phylogenetic diversity of nitrogen fixation genes in the symbiotic microbial community in the gut of diverse termites."
RL Appl. Environ. Microbiol. 65:4926-4934(1999).
CC -!- SIMILARITY: Belongs to the nifH / bchL / chlL family.
DR EMBL; AB011904; BAA28439.1; -.
DR HSP; P00456; LCP2.
DR GO; GO:0005524; F:ATP binding; IEA.
DR GO; GO:0016491; F:oxidoreductase activity; IEA.
DR GO; GO:0006118; P:electron transport; IEA.
DR InterPro; IPR000392; NitrogenaseII.
DR Pfam; PF00142; Fer4_NifH; 1.
DR PRINTS; PR00091; NITROGNASEII.
DR PROSITE; PS00746; NIFH_FRXC1; 1.
KW 4Fe-4S; ATP-binding; Iron; Iron-sulfur; Metal-binding; Oxidoreductase.
FT NON_TER 141
SQ SEQUENCE 141 AA; 14987 MW; 15AAADCEB162617C CRC64;

Query Match 2.8%; Score 8; DB 2; Length 141;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 61 DIKLSDIV 68
Db 52 DIKLSDIV 59
|||||

RESULT 13

Q862L6 PRELIMINARY; PRT; 145 AA.

ID Q862L6
AC Q862L6
DT 01-JUN-2003 (TrEMBLrel. 24, Created)

DT 01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
 DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
 DE Similar to ribosomal protein L12 (Fragment).
 OS Bos taurus (Bovine).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
 OC Bovinae; Bos.
 OX NCBI_TaxID=9913;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=22544902; PubMed=12658628; DOI=10.1002/mrd.10292;
 RA Ishiwata H., Katsuma S., Kizaki K., Patel O.V., Nakano H.,
 RA Takahashi T., Imai K., Hirasawa A., Shiojima S., Ikawa H., Suzuki Y.,
 RA Teujimoto G., Izaike Y., Todoroki J., Hashizume K.;
 RT Characterization of gene expression profiles in early bovine
 RT pregnancy using a custom cDNA microarray.";
 RL Mol. Reprod. Dev. 65:9-18(2003).
 CC -1- SIMILARITY: Belongs to the ribosomal protein L11P family.
 DR EMBL; AB098966; BAC56456.1; -;
 DR HSSP; P29395; 1MWS.
 DR GO; GO:0005840; C:ribosome; IEA.
 DR GO; GO:0003735; P:structural constituent of ribosome; IEA.
 DR GO; GO:0006412; P:protein biosynthesis; IEA.
 DR InterPro; IPR000911; Ribosomal_L11.
 DR Pfam; PF00298; Ribosomal_L11; 1.
 DR Pfam; PF03946; Ribosomal_L11_N; 1.
 DR SMART; SM00649; RL11; 1.
 DR PROSITE; PS00359; RIBOSOMAL_L11; 1.
 KW Ribonucleoprotein; Ribosomal protein.
 FT NON TER 1
 FT NON TER 145
 SQ SEQUENCE 145 AA; 15690 MW; 386D68BD728102D3 CRC64;

 Query Match 2.8%; Score 8; DB 2; Length 145;
 Best Local Similarity 100.0%; Pred. No. 14;
 Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

 QY 230 DIAKATGD 237
 Db |||||
 45 DIAKATGD 52

 RESULT 14
 Q68F82 PRELIMINARY; PRT; 153 AA.
 ID Q68F82
 AC Q68F82
 DT 25-OCT-2004 (TrEMBLrel. 28, Created)
 DT 25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
 DE Hypothetical protein.
 OS Xenopus tropicalis (Western clawed frog) (Silurana tropicalis).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Amphibia; Batrachia; Anura; Mesobatrachia; Pipiloidea; Pipidae;
 OC Xenopodinae; Xenopus.
 OX NCBI_TaxID=8364;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC TISSUE=Embryo;
 RX PubMed=12477932; DOI=10.1073/pnas.242603899;
 RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
 RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
 RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
 RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Haieh F.,
 RA Datchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
 RA Scapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
 RA Brownstein M.J., Udén T.B., Toshiyuki S., Carninci P., Prange C.,
 RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullany S.J.,
 RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
 RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
 RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
 RA Fahey J.J., Helton E., Kettelman M., Madan A., Rodrigues S., Sanchez A.,
 RA Whitting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
 RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
 RA Krzywinski M.I., Stalska U., Smailus D.E., Schnerch A., Schein J.E.,
 RA Jones S.J., Marra M.A.;
 RT "Generation and initial analysis of more than 15,000 full-length human
 RT and mouse cDNA sequences.";
 RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
 RN [2]
 RP SEQUENCE FROM N.A.
 RC TISSUE=Embryo;
 RA Klein S., Gerhard D.S.;
 RL Submitted (AUG-2004) to the EMBL/GenBank/DBJ databases.
 CC -1- SIMILARITY: Belongs to the ribosomal protein L11P family.
 DR EMBL; BC079961; AAH79961.1; -;
 DR InterPro; IPR000911; Ribosomal_L11.
 DR Pfam; PF00298; Ribosomal_L11; 1.
 DR Pfam; PF03946; Ribosomal_L11_N; 1.
 DR SMART; SM00649; RL11; 1.
 DR PROSITE; PS00359; RIBOSOMAL_L11; 1.
 KW Hypothetical protein; Ribonucleoprotein; Ribosomal protein.
 SQ SEQUENCE 153 AA; 16408 MW; 51031F4215E29158 CRC64;

 Query Match 2.8%; Score 8; DB 2; Length 153;
 Best Local Similarity 100.0%; Pred. No. 14;
 Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

 QY 230 DIAKATGD 237
 Db |||||
 33 DIAKATGD 40

 RESULT 15
 Q8C2K0 PRELIMINARY; PRT; 164 AA.
 ID Q8C2K0
 AC Q8C2K0
 DT 01-MAR-2003 (TrEMBLrel. 23, Created)
 DT 01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
 DT 01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
 DE Mus musculus 2 days neonate thymic cells cDNA, RIKEN full-
 DE length enriched library, clone:B430018F03 product:ribosomal protein
 DE L12, full insert sequence.
 GN Name=Rpl12;
 OS Mus musculus (Mouse).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.
 OX NCBI_TaxID=10090;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=NOD; TISSUE=Thymus;
 RX MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
 RA Carninci P., Hayashizaki Y.;
 RT "High-efficiency full-length cDNA cloning.";
 RL Meth. Enzymol. 303:19-44(1999).
 RN [2]
 RP SEQUENCE FROM N.A.
 RC STRAIN=NOD; TISSUE=Thymus;
 RX MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
 RA RIKEN FANTOM Consortium;
 RT "Functional annotation of a full-length mouse cDNA collection.";
 RL Nature 409:685-690(2001).
 RN [3]
 RP SEQUENCE FROM N.A.
 RC STRAIN=NOD; TISSUE=Thymus;
 RA The FANTOM Consortium;
 RA the RIKEN Genome Exploration Research Group Phase I & II Team;
 RT "Analysis of the mouse transcriptome based on functional annotation of
 RT 60,770 full-length cDNAs.";
 RL Nature 420:563-573(2002).
 RN [4]
 RP SEQUENCE FROM N.A.
 RC STRAIN=NOD; TISSUE=Thymus;
 RX MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
 RA Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
 RA Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;

RT "Normalization and subtraction of cap-trapper-selected cDNAs to
 RL prepare full-length cDNA libraries for rapid discovery of new genes."
 RN Genome Res. 10:1617-1630(2000).

[5]

RN SEQUENCE FROM N.A.

RP STRAIN=NOD; TISSUE=Thymus;

RC MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;

RA Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
 RA Konno H., Akiyama J., Nishi K., Kitsuai T., Tashiro H., Itoh M.,
 RA Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
 RA Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
 RA Fujiwaka S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,
 RA Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,
 RA Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.,
 RT "RIKEN integrated sequence analysis (RISA) system-384-format
 RL sequencing pipeline with 384 multicapillary sequencer."
 RN Genome Res. 10:1757-1771(2000).

[6]

RN SEQUENCE FROM N.A.

RP STRAIN=NOD; TISSUE=Thymus;

RC Adachi J., Aizawa K., Akimura T., Arakawa T., Bono H., Carninci P.,
 RA Fukuda S., Furuno M., Hanagaki T., Hara A., Hashizume W.,
 RA Hayashida K., Hayatsu N., Hiramoto K., Hiraoka T., Hirozane T.,
 RA Hori F., Imotani K., Ishii Y., Itoh M., Kagawa I., Kasukawa T.,
 RA Katoh H., Kawai J., Kojima Y., Kondo S., Konno H., Kouda M., Koya S.,
 RA Kurihara C., Matsuyama T., Miyazaki A., Murata M., Nakamura M.,
 RA Nishi K., Nomura K., Numazaki R., Ohno M., Ohsato N., Okazaki Y.,
 RA Saito R., Saitoh H., Sakai C., Sakai K., Sakazume N., Sano H.,
 RA Sasaki D., Shibata K., Shinagawa A., Shiraki T., Sogabe Y., Tagami M.,
 RA Tagawa A., Takahashi F., Takaku-Akahira S., Takeda Y., Tanaka T.,
 RA Tomaru A., Toya T., Yasunishi A., Muramatsu M., Hayashizaki Y.,
 RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
 CC -1- SIMILARITY: Belongs to the ribosomal protein L11p family.
 DR EMBL; AK088464; BAC40369.1; ...

DR HSSP; P29195; 1MWS.

DR MGD; MG1.98002; Rpl12.

DR GO; GO:0005737; Cytoplasm; IDA.

DR GO; GO:0005730; C:nucleolus; IDA.

DR GO; GO:0005515; F:protein binding; IPI.

DR InterPro; IPR000911; Ribosomal L11.

DR Pfam; PF00298; Ribosomal L11; 1.

DR Pfam; PF03946; Ribosomal L11; 1.

DR SMART; SM00649; RL11; 1.

DR PROSITE; PS00359; RIBOSOMAL_L11; 1.

KW Ribonucleoprotein; Ribosomal protein.

SQ SEQUENCE 164 AA; 17806 MW; 66A010247E426D0C CRC64;

Query Match 2.8%; Score 8; DB 2; Length 164;

Best Local Similarity 100.0%; Pred. No. 15;

Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 230 DIAKATGD 237

Db 45 DIAKATGD 52

|||||

Search completed: April 19, 2005, 07:33:17

Job time : 88 secs

THIS PAGE BLANK (USPTO)